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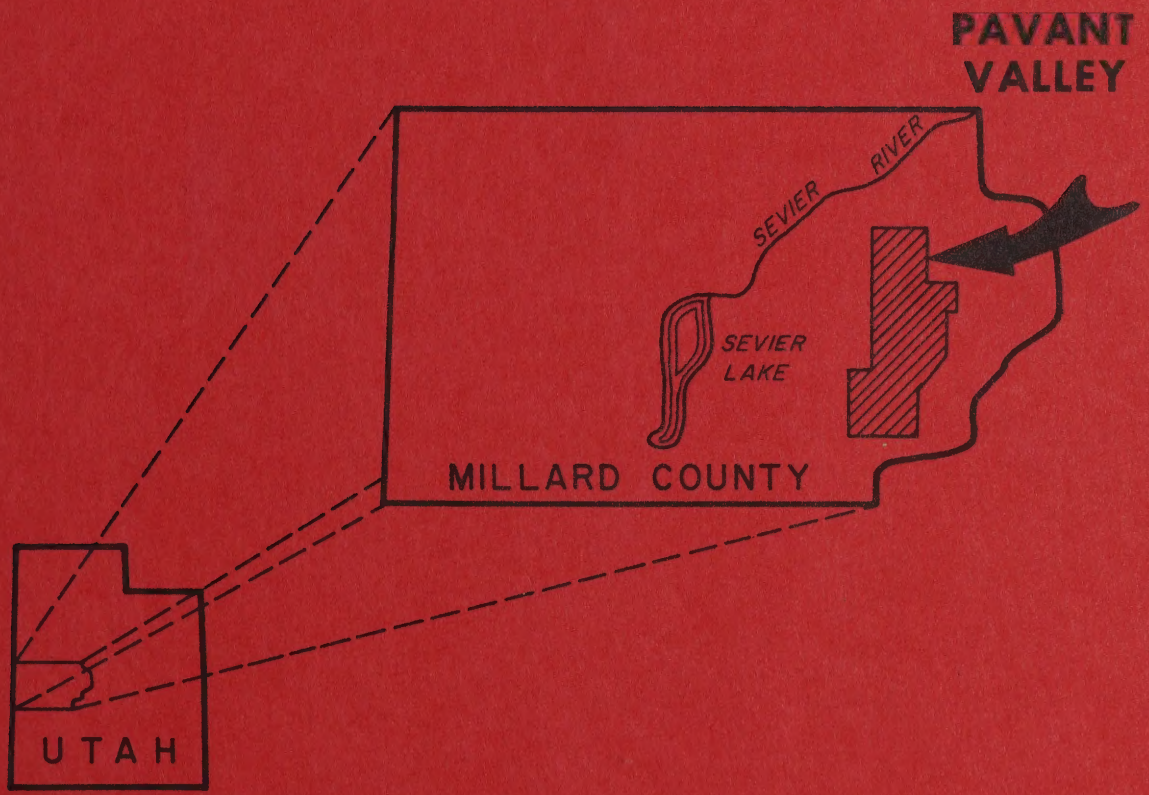
PAVANT VALLEY

MILLARD COUNTY, UTAH



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BASIC-DATA REPORTS: This is the fifth in a series of basic-data reports prepared cooperatively by the Utah State Engineer and the U.S. Geological Survey. The basic data included in this series of reports generally consist of well records, water levels and artesian pressures in wells, logs of wells and test holes, and chemical analyses of water samples collected during a detailed investigation or during a basic-records program. Pending publication of an interpretive companion report to be prepared cooperatively by the U.S. Geological Survey and the Utah State Engineer, much use of the basic data can be made by the public, water-well contractors, and consultants in planning water supplies.

Ted Arnow

District Geologist
U.S. Geological Survey
In charge of cooperative
ground-water investigations in Utah

#1604641

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BASIC-DATA REPORT NO. 5

SELECTED HYDROLOGIC DATA

PAVANT VALLEY

MILLARD COUNTY, UTAH

By

Reed W. Mower

Hydraulic Engineer, U.S. Geological Survey

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Prepared by

The United States Geological Survey

in cooperation with

The Utah State Engineer

Salt Lake City, Utah

1963

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Introduction

This report is intended to serve two purposes: (1) to make available to the public basic ground-water data useful in planning and studying development of water resources and (2) to supplement an interpretive report that will be published later.

Records were collected during the period 1959-62 by the U.S. Geological Survey in cooperation with the Utah State Engineer as a part of the investigation of ground-water conditions in Pavant Valley in Millard County, Utah. The interpretive material will be published in a companion report by Reed W. Mower.

This report is most useful in predicting conditions likely to be found in areas that are being considered as well sites. The person considering the new well can spot the proposed site on plate 1 and examine the records of nearby wells as shown in the tables. From tables 1 and 3 he can note the type of material that yields water to wells in the vicinity; from table 1 he can note (1) the depth and diameter of wells in the vicinity and the yield of some of those wells, and (2) the depth to water or the feet of water pressure in the vicinity; from table 2 he can note the historic fluctuations and trends of water levels in the vicinity; from table 4 he can note the chemical quality of the water from wells in the vicinity; and from table 1 he can find the use made of the well water. If the reader decides from his examination that conditions are favorable, he can place an application to drill a well with the State Engineer. If the State Engineer believes unappropriated water is available, the application may be approved after minimum statutory requirements have been satisfied.

The report is also useful when planning large-scale developments of water supply. This and other uses of the report will be helped by use of the interpretive report upon its release.

The well numbers used in this report indicate the well location by land subdivision according to a numbering system that was devised cooperatively by the Utah State Engineer and G. H. Taylor of the Geological Survey about 1935. The system is illustrated in figure 1. The complete well number comprises letters and numbers that designate consecutively the quadrant and township (shown together in parentheses by a capital letter designating the quadrant in relation to the base point of the Salt Lake Base and Meridian, and numbers designating the township and range); the number of the section; the quarter section (designated by a letter); the quarter of the quarter section; the quarter of the quarter-quarter section; and, finally, the particular well within the 10-acre tract (designated by a number). By this system the letters A, B, C, and D designate, respectively, the northeast, northwest, southwest, and southeast quadrants of the standard base and meridian system of the Bureau of Land Management, and the letters a, b, c, and d designate, respectively, the northeast, northwest, southwest, and southeast quarters of the section, of the quarter section, and of the quarter-quarter

section. Thus, the number (B-2-2)12dcd-2 designates well 2 in the SE¼SW¼SE¼ sec. 12, T. 2 N., R. 2 W., the letter B showing that the township is north of the Salt Lake Base Line and the range is west of the Salt Lake Meridian; and the number (D-3-2)34bca-1 designates well 1 in the NE¼SW¼NW¼ sec. 34, T. 3 S., R. 2 E.

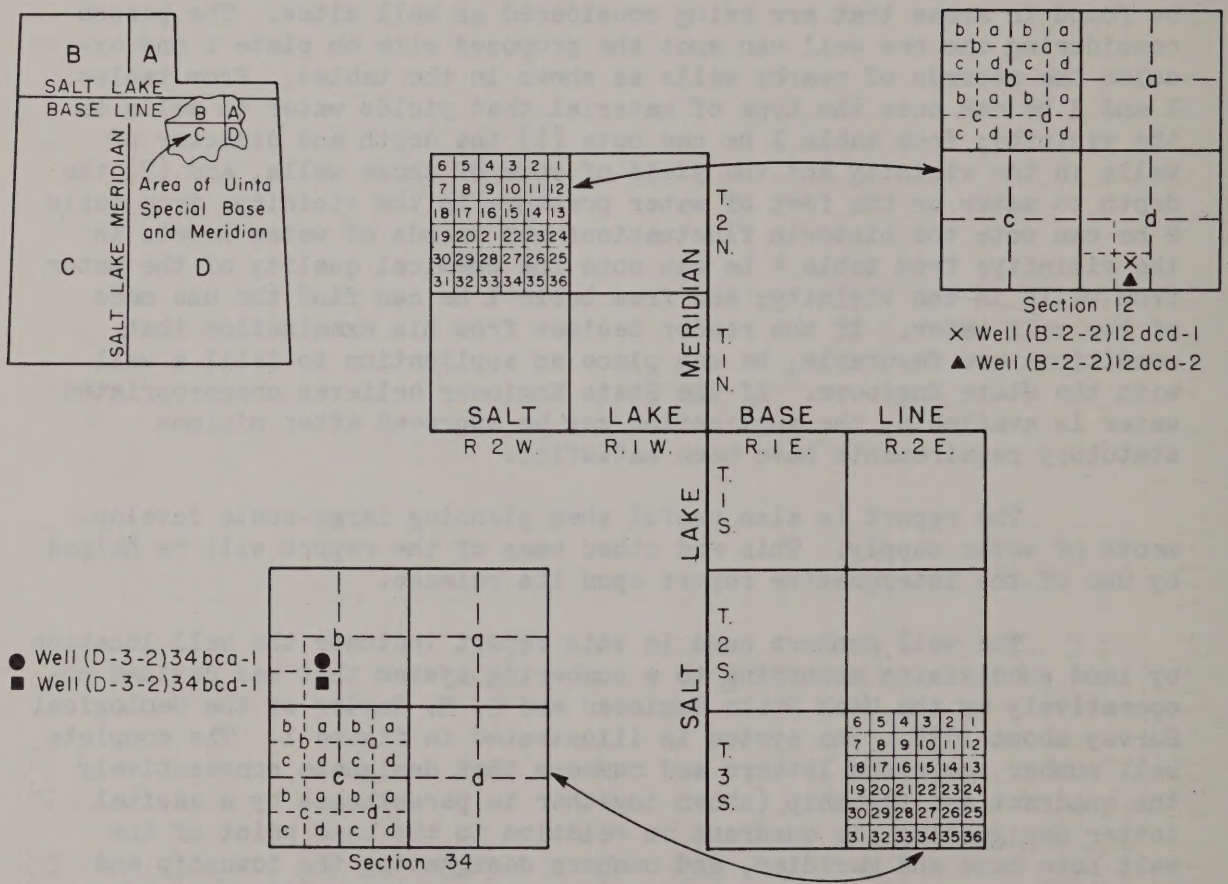

Figure 1.—— Well-numbering system used in Utah.

Table 1.--Records of selected wells in Pavant Valley

Well number: See text for description of well-numbering system.
Casing: Finish - O, open end; P, perforated.
Character of water-bearing material: B, basalt; G, gravel; K, conglomerate; S, sand; Ss, sandstone.
Method of lift: C, centrifugal pump; Cy, cylinder pump; F, flowing well; J, jet pump; N, none; T, turbine pump; Ts, submersible turbine pump.
Pump: Type of power - D, diesel engine; E, electric motor; G, gasoline engine; H, hand operated; N, none; P, propane engine; T, tractor; W, windmill.
Use of water: D, domestic; I, irrigation; N, none; Nf, none, well filled with debris or plugged above water level in casing; Nt, none, drilled as test well; O, observation; P, public supply; S, stock.
Measuring point: Apc, access pipe into casing; Bpb, bottom of pump base; Edp, end of discharge pipe; Ell, top of elbow or tee on casing; Hca, hole in casing; Hdp, hole in discharge pipe; Hpb, hole in pump base; Ls, land surface; Tca, top of casing; Tpp, top of pump platform; Wst, top of stock-watering trough.
Water level: Measured distances to water levels are given in feet and tenths; reported and estimated distances are given in feet.
Yield: The yield (in gallons per minute) is the largest estimated, E; measured, M; or reported, R, and is either natural flow, F; or pumped, P. Determined from January 1960 through September 1962.
Other data available: C, chemical analyses (table 4); L, log of well (table 3); W, water-level measurements (table 2).

Well number	Owner or user	Year drilled (19)	Depth of well (feet reported)	Casing			Character of water-bearing material	Method of lift	Pump		Use of water	Measuring point		Altitude of land-surface datum (feet)	Water level		Temperature (°F)	Yield (gpm)		Other data available
				Diameter (inches)	Depth (feet)	Finish			Type of power	Horsepower of prime mover		Description	Above (+) or below (-) land-surface datum (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement				
(C-18-5)																				
27bab-1	R. T. Knight	51	397	16,12,10	397	P	G	T	E	75	I,O	Tca	+ 0.5	4,768	- 60.2	2- 4-60	63	1,250	M,P	L,W.
27cba-1	Clarence Nielson	57	495	16	495	P	G	T	E	50	I	Edp	+ 5.5	4,755	- 44.2	2- 4-60	61	1,150	M,P	
27dba-1	Allen Stephenson	51	520	16,12,10	520	P	G,S	T	E	75	I	Hca	+ .2	4,790	- 76.8	2- 4-60	62	1,450	M,P	L.
28acc-1	R. T. Knight	23	300	6	85	O	S,G	Cy	H	-	D,O	Tca	+ .9	4,723	- 24.1	2- 4-60	-	-		W.
28dda-1	D. E. Anderson	61	550	16	504	P	S,G	T	E	100	I	Tca	+ .5	4,742	- 55.1	6- 7-61	63	2,350	M,P	
33baa-1	do	-	-	6	-	-	-	N	-	-	S	Tca	+ 1.0	4,711	- 7.9	2- 5-60	-	-		
33cdc-1	L. C. Callister	57	255	6	255	O	G	F	-	-	S	Tca	-10.0	4,700	- 12.1	8-29-60	-	-		
34adb-1	Hugh Hurst	50	354	16,12,8	354	P	K	T	D	45	I	Hpb	+ 1.0	4,778	- 61.1	2- 4-60	60	650	M,P	L,W.
34adb-2	do	-	-	6	-	-	-	N	-	-	Nf	Tca	0	4,788	- 55.9	3-20-51	-	-		
34baa-1	L. C. Callister	50	667	16,12	650	P	S,G	T	E	100	I,O	Hca	+ .5	4,756	- 42.7	2- 4-60	62	1,750	M,P	C,L,W.
34bba-1	McCornick Well Co.	50	502	16,12, 10,8	500	P	G,S	T	E	75	I,O	Hpb	+ 2.2	4,748	- 38.2	2- 4-60	61	1,300	M,P	L,W.
34bca-1	do	50	400	16,12	383	P	G,S	T	E	40	I	Hdp	+ 3.4	4,747	- 32.6	2- 4-60	61	1,000	M,P	
34ccd-1	B. R. Finlinson	-	-	4	-	-	-	N	-	-	S	Tca	+ 1.5	4,729	- 21.4	2- 4-60	-	-		
(C-19-4)																				
19bcd-1	F. O. Johnson	45	199	4	166	O	S,G	Cy	W	-	S	Ls	0	4,801	- 59	7- 7-45	-	-		
20acc-2	O. T. Hunter	55	170	6	170	P	G,S	Cy	W	-	S	Tca	+ 1.5	4,866	-105.5	2- 5-60	-	-		L.
29bdb-1	J. A. Hunter and Sons	45	172	4	172	P	S,G	Cy	W,G	2½	S	Ls	0	4,836	- 72	3-30-45	-	-		
30dab-1	E. H. Stephenson	50	510	16,12, 10,8	510	P	G,S	T	E	75	I,O	Bpb	+ 1.0	4,809	- 47.6	2- 5-60	57	1,950	M,P	L,W.
31acc-1	do	46	150	4	150	O	G,S	Cy	H	-	S	Tca	+ 1.0	4,794	- 32.1	2- 5-60	-	-		
31ada-1	do	61	545	16,12	408	P	G,S	T	E	100	I	Tca	+ 1.0	4,815	- 54.9	3-16-62	-	2,300	R,P	L.
31bcc-1	Union Pacific Railroad	23	175	6,4	163	O	S,G	N	-	-	D,O	Tca	+ .3	4,771	- 10.6	2- 5-60	-	-		W.
31dbb-1	West Holden Irrigation Co.	60	523	16	514	P	G,S	T	E	100	I	Apc	+ 1.5	4,795	- 34.1	7- 7-60	56	2,550	M,P	C,L,W.
32acc-1	O. T. Hunter	46	210	4	210	O	S,G	Cy	W	-	S,O	Tca	+ .8	4,845	- 76.2	2- 5-60	-	-		W.
32cca-1	Dearden Bros.	61	465	16	433	P	G,S	T	E	100	I	Edp	+ 6.5	4,829	- 71.1	6-29-61	56	1,500	M,P	
32ccc-1	do	47	100	4	100	O	S	J	E	3/4	S	Tca	+ .7	4,810	- 42.6	2-16-60	-	-		
(C-19-5)																				
2aad-1	B. R. Finlinson	52	655	16	404	P	G	T	E	100	I,O	Hca	+ .5	4,830	-105.7	4- 5-60	59	1,300	M,P	L,W.
2bbb-1	do	25	300	6	-	-	-	N	-	-	S	Tca	0	4,771	- 53.1	2- 4-60	-	-		
3aaa-1	S. S. Stephenson	59	550	16	550	P	G	T	E	75	I	Apc	+ 1.4	4,766	- 48.0	2- 4-60	59	2,150	M,P	L,W.
3abb-1	do	24	188	6	-	-	-	Cy	-	-	S	Tca	+ 1.5	4,749	- 30.3	2- 4-60	-	-		
3cbb-1	A. J. Nielson	-	60	6	-	-	-	N	-	-	S	Tca	+ 1.0	4,725	- 24.2	2- 3-60	-	-		
4aba-1	L. C. Callister	-	-	6	-	-	-	J	E	3/4	S	Tca	- 5.6	4,713	- 16.6	2- 4-60	-	-		
4dda-1	R. W. Morrison	25	42	6	-	-	-	N	-	-	S,O	Tca	+ 1.0	4,730	- 29.2	2- 3-60	-	-		W.
4ddd-1	do	50	521	16,14,12	521	P	S	N	-	-	I,O	Tca	0	4,730	- 29.2	2- 4-60	-	-		L,W.
11daa-1	J. G. Jones	-	160	8	120	O	-	Cy	W,G	2½	S	Tca	0	4,795	- 65.8	2- 4-60	-	-		
20aca-1	Cleveland Mitchell	34	315	2	-	-	-	F	-	-	S	Ell	+ 1.0	4,625	+ 11.3	3- 2-43	-	-		
21bba-1	Manhard and Paxton	22	217	6	-	-	-	F	-	-	S	Ls	0	4,640	+ 10	3- 2-43	-	8	M,F	
21cbb-1	Franklin Badger	18	300	10	-	-	-	F	-	-	I	Ls	0	4,632	+ 15	3- 2-43	72	80	M,F	
21dda-1	do	-	-	8	-	-	-	F	-	-	Nf	Ls	0	4,665	+ 5	3- 2-43	-	5	E,F	
21ddd-1	do	-	-	8	-	-	-	F	-	-	S	Ls	0	4,663	+ 5	3- 2-43	-	5	E,F	
22ccb-1	C. C. Nixon	22	230	6	-	-	-	F	-	-	S	Ls	0	4,668	+ 2	2-18-60	-	1	E,F	
23dcd-1	Maughn Christensen	62	460	16	391	P	S	T	D	-	I	Tca	+ 1.0	4,738	- 11.8	3-19-62	-	-		L.
26abb-1	do	-	-	3	-	-	-	F	-	-	S	Wst	+ 1.0	4,739	+ 5.2	2-18-60	56	2.4	M,F	
26bda-1	C. C. Nixon	-	-	-	-	-	-	F	-	-	S	Wst	+ 1.0	4,718	+ 3.5	2-18-60	-	.8	M,F	
28aaa-1	H. F. Stevens	16	200	8	-	-	-	F	-	-	S	Ls	0	4,664	+ 5	2-18-60	-	5	E,F	
28aaa-2	do	44	-	12	-	-	-	F	-	-	S	Ls	0	4,664	+ 5	2-18-60	65	15	E,F	
28aad-1	do	27	185	8	-	-	-	F	-	-	Nf	Tca	+ .5	4,662	+ 4.1	3- 7-60	-	1	E,F	
28bda-1	C. C. Nixon	20	220	6	-	-	-	F	-	-	S	Ell	+ 3.0	4,649	+ 12.3	2-18-60	66	17	M,F	
31cbd-1	U.S. Bureau of Land Management	39	375	4	375	-	S	F	-	-	S	Wst	+ 1.5	4,611	+ 8.9	2-15-60	85	4.2	M,F	L.
35daa-1	J. E. Dastrup, et al.	18	294	8	-	-	-	F	-	-	I	Tca	+ .5	4,729	+ 9.8	2-16-60	58	60	M,F	
36baa-1	J. E. Dastrup	50	500	12	500	P	S,G	T	D	-	I,O	Hpb	+ 1.0	4,754	- 5.5	2-16-60	58	1,200	M,P	L,W.
36cab-1	O. T. Hunter	49	201	4	201	O	S,G	F	-	-	S	Wst	+ 2.0	4,737	+ 11.7	2-16-60	56	26	M,F	
36cbd-1	J. E. Dastrup, et al.	21	187	6	-	-	-	F	-	-	S	Ls	0	4,734	+ 8	2-16-60	56	4	E,F	
36ccd-1	G. W. Kenney	21	180	6	-	-	-	F	-	-	S	Tca	+ .5	4,732	+ 7.8	2-16-60	56	3	M,F	
36dca-1	do	19	440	7,6	-	-	-	F	-	-	S	Ls	0	4,752	+ 2	2-16-60	56	5	E,F	
(C-20-4)																				
4dab-1	E. N. Stevens	60	755	16	268	P	G	N	-	-	I,O	Tca	+ 1.2	4,920	-101.9	3-20-61	-	-		L,W.
5cca-1	Stevens and Johnson	57	565	16	261	P	G,K	T	D	-	I,O	Hpb	+ 1.5	4,816	- 43.8	2- 5-60	58	2,200	M,P	L,W.
5ccd-1	Earl Stevens	59	130	6	130	-	S,G	J	E	3/4	S	Hca	- 3.8	4,814	- 45.1	3-22-61	-	-		
6aca-1	Bennett Bros.	60	506	16	-	P	G	T	E	75	I	Tca	+ 1.8	4,796	- 31.3	8-30-60	56	1,800	M,P	L.
6bcd-1	A. W. Burton	30	154	6	-	-	-	J	E	1/2	S	Tca	- 6.3	4,777	- 18.0	2- 5-60	-	-		
6dbd-1	Milton Stevens, et al.	62	435	16,12	435	P	G,S	N	-	-	I	Tca	+ 2.0	4,796	- 40.7	9-20-62	-	-		

Table 1.--Records of selected wells in Pavant Valley - Continued

Well number	Owner or user	Year drilled (19)	Depth of well (feet reported)	Casing			Character of water-bearing material	Method of lift	Pump		Use of water	Measuring point		Altitude of land-surface datum (feet)	Water level		Temperature (°F)	Yield (gpm)	Other data available
				Diameter (inches)	Depth (feet)	Finish			Type of power	Horsepower of prime mover		Description	Above (+) or below (-) land-surface datum (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement			
(C-20-4)																			
7baa-1	Grant Stevens	31	98	5	-	-	-	N	-	-	D,S	Hca	- 6.5	4,783	- 20.6	2- 5-60	-	-	
7cca-1	H. Johnson	-	-	6	-	-	-	Cy	H	-	D,S	Tca	+ .4	4,782	- 21.2	2- 8-60	-	-	
8dac-1	LaVon Hunter	46	144	4	144	O	G	Cy	W,H	-	S	Hpb	+ 1.5	4,889	-112.3	3-10-60	-	-	
11aba-1	Holden Irrigation Co.	51	535	16	84	O	Ss	N	-	-	Nt	Tca	0	5,199	- 6.4	11- 8-51	-	-	
11bbd-1	Grant Stevens	56	110	8	64	O	Ss	Cy	G	2½	D,S	Ls	0	5,069	- 35	9- 3-56	-	-	
11bdb-2	Samuel Bennett	60	80	8	38	P	G	-	-	-	D,S	-	-	5,070	- 40	3- 1-60	-	-	
18cab-1	Harold Edwards	47	100	6	100	P	G	Cy	H	-	S	Tca	+ 1.0	4,799	- 46.4	2- 8-60	-	-	L,W.
30bab-1	T. W. Peterson	47	100	6	59	P	-	Cy	W	-	S	Tca	+ .6	4,862	- 35.3	2- 8-60	-	-	
(C-20-5)																			
1baa-1	Kenney Bros.	21	213	4	-	-	-	F	-	-	S	Tca	+ 1.5	4,737	+ 4.4	2-16-60	56	3 M,F	
1bcb-1	O. T. Hunter	48	430	8	430	P	G	F	-	-	I	Ls	0	4,725	+ 20	2-16-60	62	160 M,F	
1bcb-2	do	51	500	12,8	450	P	S,G	F	-	-	I	Ls	0	4,727	+ 20	2-16-60	61	150 M,F	
1caa-1	G. W. Kenney	21	184	6	-	-	-	F	-	-	S	Tca	+ .3	4,740	+ 3.8	2-18-60	59	3 M,F	
1dca-1	do	22	178	6	-	-	-	F	-	-	S	Ls	0	4,756	+ 1	2-18-60	58	.9M,F	
2aba-1	Kenney Bros.	20	187	8	-	-	-	F	-	-	S	Tca	0	4,718	+ 2.5	3-10-60	56	.3M,F	
2ada-1	Hunter Bros.	15	182	6	-	-	-	F	-	-	D,S	Ls	0	4,724	+ 6	2-16-60	57	5.2M,F	
2baa-1	J. B. Stephenson	21	190	4	-	-	-	F	-	-	S	Tca	+ .3	4,707	+ 8.1	2-18-60	56	1.3M,F	
2cdb-1	do	-	-	4	-	-	-	F	-	-	S	Ls	0	4,697	+ 6	2-18-60	-	.8M,F	
2daa-1	G. W. Kenney	-	182	6	-	-	-	F	-	-	S	Ls	0	4,723	+ 4	2-18-60	58	2.4M,F	
2ddd-1	do	24	197	5	-	-	-	F	-	-	S	Ls	0	4,723	+ 6	2-18-60	60	7 M,F	
3bdd-1	C. C. Nixon	24	-	8,6	-	-	-	F	-	-	S	Ls	0	4,664	+ 10	2-18-60	59	15 M,F	
4adb-1	Maughn Christensen	25	220	6	-	-	-	F	-	-	I	Ls	0	4,642	+ 20	3- 4-60	-	5 E,F	
9ada-1	W. E. Turner	25	212	5	212	O	-	F	-	-	S	Tca	0	4,650	+ 10.4	3- 4-60	58	4.5M,F	
9daa-1	do	-	330	6	-	-	-	F	-	-	I	Ls	0	4,650	+ 25	3- 4-60	61	225 M,F	C.
10abb-1	Alma Stevens	20	35	6	-	-	-	F	-	-	S	Tca	+ 1.0	4,664	+ 1.2	3-10-60	55	.5M,F	
10ada-1	do	19	-	5	-	-	-	F	-	-	S	Tca	+ 2.0	4,681	+ 5.7	3-10-60	61	2.7M,F	
10bda-1	do	16	347	8	-	-	-	F	-	-	I	Tca	+ 2.5	4,660	+ 12.3	3- 4-60	-	50 E,F	
10ccc-1	Elmer Cummings	49	243	4	243	O	-	F	-	-	S	Tca	+ 1.0	4,648	+ 4.1	2- 5-60	59	1.7M,F	
10dbd-1	John Wood	25	196	5	-	-	-	F	-	-	S	Wst	+ 1.4	4,677	+ 13.8	3- 4-60	61	1.0M,F	
11aaa-1	Mrs. L. D. Anderson	21	198	8	-	-	-	F	-	-	D,S	Ls	0	4,728	+ 6	2-18-60	61	8 M,F	
11aad-1	do	30	213	6	213	-	G	F	-	-	I	Ls	0	4,726	+ 15	2-18-60	61	18 M,F	
11baa-1	Clarence Wade, et al.	59	595	16	-	P	-	T	E	100	I	Ls	0	4,702	+ 30	3- 4-60	62	1,550 M,P	L.
11bad-1	do	27	334	6	-	-	-	F	-	-	I	Ls	0	4,703	+ 10	3- 4-60	59	10 E,F	
11bad-2	do	22	296	6	-	-	-	F	-	-	I	Ls	0	4,703	+ 10	3- 4-60	-	15 E,F	
11bdd-1	do	50	387	16,8	387	P	S,G	T	D	-	I	Ls	0	4,710	+ 20	3- 4-60	62	15 M,F	
12bba-2	Clea Johnson	50	203	5	203	O	S,G	J	G	2½	S	Tca	0	4,734	- 6.4	8-30-60	62	1 E,F	
13daa-1	L. L. Wilcken	-	175	6	-	-	-	N	-	-	S,O	Tca	+ 1.5	4,786	≈ 39.9	3-10-60	-	-	W.
16dad-1	Byron Stephenson	20	-	6	-	-	-	F	-	-	S	Ls	0	4,656	+ 10	3- 4-60	64	2.2M,F	
17baa-1	J. C. Rowley	19	350	6	-	-	-	F	-	-	S	Ls	0	4,622	+ 8	3- 4-60	-	5 E,F	
20dcd-1	E. V. Wilson	-	-	4	-	-	-	Cy	G	2½	S	Tca	+ .6	4,642	- 37.6	2-15-60	-	-	
21abc-1	Mrs. Leo Stott	20	325	6	-	-	-	F	-	-	S	Ls	0	4,647	+ 12	3- 4-60	-	6 M,F	
21add-1	M. S. Cummings	17	325	8	-	-	-	F	-	-	S	Tca	+ 1.2	4,666	+ 10.9	3- 4-60	-	2 M,F	
21dad-1	Reed Fuller	19	339	6	-	-	-	F	-	-	S	Ls	0	4,664	+ 10	3- 4-60	-	2 M,F	
21dbc-1	do	25	325	4	-	-	-	F	-	-	I	Ls	0	4,654	+ 15	3- 4-60	-	6 M,F	
21dbd-1	do	24	330	6	-	-	-	F	-	-	I	Tca	+ .3	4,656	+ 12.9	3- 4-60	67	23 M,F	
21dca-1	do	61	600	16	538	P	S,G	T	E	60	I	Hpb	+ 1.5	4,656	- 4.5	3-28-62	-	1,600 R,P	L.
21dcc-1	E. V. Wilson	29	420	6	-	-	-	F	-	-	I	Ls	0	4,660	+ 8	2-15-60	68	24 M,F	
22bcc-1	J. C. Rowley	19	400	6	245	O	-	F	-	-	S,O	Tca	0	4,666	+ 8.2	3- 4-60	65	6 M,F	C,W.
22cbb-1	D. D. Hogan	-	352	6	-	-	-	F	-	-	D,S	Ls	0	4,666	+ 5	3- 4-60	65	4.5M,F	
24bad-1	Mrs. Leo Stott	-	-	4	-	-	-	N	-	-	S	Tca	+ .5	4,777	- 45.3	2-11-60	-	-	
24bad-2	do	50	390	16,12,10	298	P	S	T	E	30	I,O	Tca	+ .5	4,771	- 40.1	2-11-60	58	540 M,P	L,W.
24bda-1	do	61	-	-	-	-	S,G	T	E	40	I	Tca	+ .8	4,769	- 43.8	3-16-62	-	700 E,P	
24cad-1	Newton McBride	50	171	6	-	O	G	Cy	G	2½	S	Tca	+ .5	4,763	- 40.2	2-11-60	-	-	
25abc-1	T. W. Peterson	45	82	4	82	P	S,G	Cy	G	2½	S	Tca	0	4,768	- 50.6	2-11-60	-	-	
26aac-2	S. A. Johnson	48	79	5	79	O	S,G	Cy	W	-	S	Tca	+ .5	4,766	- 61.4	2-11-60	-	-	
26add-1	do	50	314	10	190	P	G	T	E	50	I	Ls	0	4,761	- 55	2-11-60	-	500 M,P	L.
26bcd-1	Claude Turner	17	200	6	-	-	-	J	E	3/4	S	Tpp	+ .8	4,727	- 33.2	2-11-60	-	-	
26bda-1	Orvil Starley	23	62	6	-	-	-	Cy	G,H	2½	D,S	Ls	0	4,732	- 37	2-11-60	-	-	
26cdc-1	J. E. Anderson	20	80	8	-	-	-	J	E	3/4	D,S	Ls	0	4,742	- 48	2-11-60	-	-	
26dcc-1	W. E. Higgins	49	107	6	-	-	G	J	E	1	D,S	Tca	- 6.3	4,760	- 62.6	2-11-60	-	-	
26ddd-1	do	52	250	14	144	P	G	T	E	50	I,O	Apc	+ 2.5	4,784	- 71.3	2- 8-60	56	650 M,P	L,W.
27baa-1	J. A. Beeston	53	60	6	60	-	S,G	C	T	-	S	Tca	- 5.5	4,686	- 18.5	2-11-60	-	-	
27bac-1	Pavant Development Co.	61	480	16	480	P	S,G	T	E	100	I	Ls	0	4,684	- 13	3-19-62	62	1,600 M,P	L.
27bcb-1	Rowley and Nelson	34	601	12	526	P	G	F	-	-	D,S	Ls	0	4,672	+ 5	2-11-60	67	52 M,F	C.
27bda-1	Pavant Development Co.	61	475	16	457	P	S,G	T	E	100	I	Hpb	+ .5	4,689	- 16.6	3-19-62	60	1,200 M,P	
27bdd-1	do	60	600	-	-	-	S,G	N	-	-	Nt	Ls	0	4,689	- 7.9	8-31-60	-	-	
27cbb-1	H. S. Armstrong	30	286	4	-	-	-	F	-	-	S	Tca	+ 2.0	4,670	+ 4.0	3- 4-60	63	2.3M,F	C.
27dba-1	Walter Paxton	26	190	6	-	-	-	N	-	-	S	Tca	+ .5	4,700	- 14.0	2-11-60	-	-	
28acb-1	E. V. Wilson	26	380	4	-	-	-	F	-	-	I	Tca	0	4,660	+ 4.8	2-15-60	63	4.1M,F	
28ada-1	do	24	350	6	-	-	-	F	-	-	D,S	Ls	0	4,671	+ 5	2-15-60	-	3 E,F	
28cdd-1	Arnold Graff	31	354	4	-	-	-	F	-	-	S	Edp	+ 3.0	4,656	+ 7.2	2-12-60	64	11 M,F	C.
28daa-1	do	23	330	5	-	-	-	F	-	-	S	Ls	0	4,670	+ 4	3- 4-60	-	-	C.
28ddd-1	R. D. Olpin	32	309	4	-	-	-	N	-	-	Nf	-	-	4,666	-	-	-	-	C.
28ddd-2	do	49	40	4	40	P	G	F	-	-	S	Tca	+ 1.2	4,666	+ 1.7	2- 8-60	-	.5M,F	

Table 1.--Records of selected wells in Pavant Valley - Continued

Well number	Owner or user	Year drilled (19)	Depth of well (feet reported)	Casing			Character of water-bearing material	Method of lift	Pump		Use of water	Measuring point		Altitude of land-surface datum (feet)	Water level		Temperature (°F)	Yield (gpm)		Other data available
				Diameter (inches)	Depth (feet)	Finish			Type of power	Horsepower of prime mover		Description	Above (+) or below (-) land-surface datum (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement				
(C-20-5)																				
29adb-1	E. V. Wilson	58	500	6	-	-	-	F	-	-	S	Tca	+ 1.0	4,644	+ 12.7	3-10-60	61		1.4	M,F
31dcd-1	Christensen Bros.	19	508	6	-	-	-	F	-	-	S	Tca	+ 1.1	4,632	+ 6.4	2-17-60	64		.7	M,F C.
32aaa-1	Nelson Bros.	26	490	7	-	-	-	F	-	-	S,O	Ls	0	4,641	+ 10	2-12-60	65	10	M,F	C.
32cbb-1	Christensen Bros.	52	942	16,12	942	P	S	F	-	-	S	Tca	+ .5	4,639	+ 5.4	3- 8-60	72	12	M,F	
32ddd-1	Edward Nelson	-	500+	14	-	-	-	N	-	-	Nt	Tca	- 1.8	4,647	- 22.9	2-17-60	-	-		
33aad-1	Mrs. Leo Stott	15	55	4	-	-	-	N	-	-	S	Tca	+ 1.0	4,666	- 14.6	2- 8-60	-	-		
33bba-1	do	30	325	6	-	-	-	F	-	-	S	Tca	0	4,651	+ 6.2	2-12-60	66	6	M,F	C.
33bda-1	Newton McBride	-	360	6	-	-	-	F	-	-	S	Tca	+ 1.0	4,652	+ 7.2	2-12-60	68	6.5	M,F	C.
33ddd-1	M. L. Nielson	49	71	4	71	P	G	J	E	1	S	Tca	- 4.0	4,676	- 28.4	2- 8-60	-	-		
34aad-1	Morris Lambert	1898	115	6	-	-	-	Cy	W	-	S	Tca	+ .3	4,715	- 32.8	2- 8-60	-	-		
34acb-1	H. S. Mitchell	28	-	6	-	-	-	J	E	1	S	Tca	+ .3	4,685	- 22.4	2-15-60	-	-		
35bab-1	Morris Lambert	17	85	6	-	-	-	Cy	H	-	S	Tca	+ .5	4,642	- 48.3	2- 8-60	-	-		
36bdd-1	Mrs. M. S. Cummings	-	600	10	-	P	-	T	E	20	I	Hpb	+ .9	4,814	- 58.4	2-12-60	-	-		
(C-21-4)																				
7bbc-1	A. W. Brunson	-	73	6	-	-	-	Cy	E	1/2	S	Hpb	+ 1.0	4,911	- 42.8	12- 1-45	-	-		C.
8cbc-2	Loy Bartholomew	48	114	4	106	O	S	Cy	E	1	D,S	Ls	0	4,996	- 66	12-22-48	-	-		
17baa-1	LaVar Peterson	55	140	6	140	O	G	Cy	G	2½	S	Ls	0	5,010	- 70	11-16-60	-	-		
17cdd-1	City of Fillmore	55	222	14	211	P	G	T	E	15	P	Hpb	+ .8	5,058	- 71.2	11-16-60	-	-		L.
28aac-1	do	54	625	14	55	P	G	N	-	-	Nt	-	-	5,280	-	-	-	-		
(C-21-5)																				
1bdc-1	Mrs. M. S. Cummings	32	58	36	-	-	-	Cy	G	2½	S	Tca	+ .8	4,852	- 48.8	2-12-60	-	-		
3bbb-1	Newton McBride	-	59	5	-	-	-	N	-	-	Nf	Tca	+ .6	4,678	- 21.1	7-20-43	-	-		
3bbb-2	do	57	105	4	105	P	S,G	J	E	1	S	Tca	- 5.5	4,678	- 28.2	2- 8-60	-	-		
4aad-1	Century Corp.	-	-	8	-	-	-	N	-	-	S,O	Tca	+ 1.0	4,690	- 35.5	2- 8-60	-	-		
4bcb-1	I. S. Noall	-	42	7	-	-	-	N	-	-	S	Tca	+ 4.1	4,651	- 26.3	2-17-60	-	-		
4ccd-1	Edward Nelson	27	350	8	-	-	-	Ts	E	3/4	S,O	Bpb	+ 1.2	4,682	- 35.2	2-17-60	-	-		W.
5abd-1	G. W. Lowder	60	550	12	206	P	-	T	D	-	I	Tca	+ 1.2	4,645	- 23.0	3-23-61	-	-		
5bbc-1	James Smith	49	50	5	50	P	S,G	Cy	H	-	S	Tca	+ .7	4,634	- 27.3	3- 8-60	-	-		
5cbc-1	Mrs. Leo Stott	15	412	8	-	-	-	J	E	1	S	Tca	- 1.8	4,643	- 6.5	2-17-60	-	-		
5dbc-1	H. E. Tomkinson	45	400	4	400	P	G,S	T	E	1	D,S	Tca	- 2.8	4,653	- 8.4	3- 8-60	-	-		
5dbc-2	H. J. Mitchell	62	565	16	546	P	-	T	E	50	I	Tca	+ .5	4,655	- 31.3	3-19-62	64	800	M,P	L.
5dcc-1	do	47	46	6	46	O	G	Cy	H	-	S	Hpb	+ 1.5	4,659	- 34.8	3- 8-60	-	-		
6cac-1	A. R. Swallow	56	90	18	-	O	B	T	D	-	I	Apc	+ .5	4,644	- 40.7	2-17-60	55	3,500	M,P	C,L,W.
6ccc-1	Robison and Larsen	61	110	18	69	O	B	T	D	-	I	Tca	+ .6	4,649	- 47.5	3-19-62	-	-		
6dba-1	Jarold Robison	28	400	6	-	-	-	N	-	-	S,O	Tca	0	4,636	- .4	3- 8-60	61	-		C,W.
7cdd-2	Christensen Bros.	53	96	16	58	O	B	T	D	-	I,O	Apc	0	4,651	- 47.1	2-17-60	54	790	M,P	C,L,W.
7cdd-3	do	56	-	16	-	O	B	T	E	75	I	Hpb	+ .8	4,651	- 46.7	2-17-60	54	3,400	M,P	C.
7ddc-1	Ancil Robison	44	325	4	317	P	S,G	J	G	2½	S,O	Tca	+ 1.0	4,657	- 8.8	2-17-60	-	-		L,W.
7ddc-3	do	55	96	16	-	-	-	T	E	60	I	Tca	+ .5	4,657	- 52.9	2-17-60	54	2,050	M,P	C.
8adc-1	J. C. Moore	-	-	6	-	-	-	J	E	1	S	Tca	+ .2	4,690	- 52.2	2-17-60	-	-		
8bab-1	Jarold Robison	24	455	6	-	-	-	J	E	1	D,S	Tca	- 2.0	4,656	- 37.9	3- 8-60	-	-		C.
8bdc-1	A. R. Swallow	17	317	6	-	-	-	Ts	E	1	D,S	Tca	0	4,663	- 31.4	2-17-60	-	-		C.
8bdc-2	Swallow and Robison	50	407	14,10	407	P	S,G,B	T	E	75	I	Tca	+ .5	4,670	- 26.8	3-24-59	62	1,650	M,P	C,L.
8bdc-3	M. A. Robison	61	350	6	350	P	-	J	E	1	D,S	Ls	0	4,666	- 35	2- 2-61	-	-		
8cab-1	do	11	318	8	-	-	-	J	E	1	D,S	Tca	+ 1.5	4,670	- 31.0	2-17-60	-	-		
8ccc-1	F. W. Johnson	43	272	3	272	O	S,G	J	E	3/4	D,S	Tca	+ 2.2	4,663	- 54.3	2-17-60	-	-		
8cdd-1	do	50	246	12,10	246	P	G,B	N	-	-	Nf	Tca	+ .5	4,681	- 50.8	12- 9-59	-	-		C.
8cdd-2	do	59	278	14	278	P	G,S,B	T	E	30	I,O	Hca	+ .7	4,681	- 48.9	2-17-60	59	750	M,P	
8dbb-1	J. C. Moore	-	-	6	-	-	-	N	-	-	Nf	Tca	+ 1.0	4,680	- 14.0	11-29-45	-	-		
8dbb-2	do	58	400	16	400	P	-	T	E	75	I	Apc	+ 1.4	4,675	- 38.2	2-17-60	61	1,900	M,P	
9cdc-1	V. C. Carling	16	300	7	-	-	-	N	-	-	Nf	Tca	0	4,715	- 16.8	2-17-60	-	-		C.
9cdc-2	do	58	85	6	85	O	G	J	E	1/2	S	Hca	- 4.0	4,702	- 27.4	2-17-60	-	-		
11daa-1	Eugene McBride	49	112	5	112	P	S	Cy	E	1½	S	Ls	0	4,866	- 90	9-24-49	-	-		
11ddc-1	Charles McBride	52	148	5	148	O	G	N	-	-	Nf	Tca	+ .5	4,860	-125.8	2-11-60	-	-		
11ddc-2	do	60	230	6	230	O	-	Cy	E	1½	S	Tca	+ .5	4,860	-134.5	9-14-60	-	-		
12bad-1	Murray Davies	28	135	6	-	-	S,G	Ts	E	3	D,S	Tca	- 4.4	4,887	- 96.8	2-11-60	-	-		C.
12bdc-1	Mrs. L. R. Anderson	-	200	8	-	-	-	N	-	-	Nf	Tca	0	4,882	- 2.3	5-24-44	-	-		
13ddd-1	W. H. Rasmussen	47	220	10,6	220	P	S,G	Cy	E	3/4	S	Tca	+ .5	4,966	-172.8	2-11-60	-	-		
14dba-1	LaVar Peterson	49	112	4	112	P	G	N	-	-	Nf	Tca	+ .5	4,860	dry	2-11-60	-	-		
15acc-1	Fred Carling	51	135	6	135	O	G	Cy	G	2½	S	Hpb	+ 1.8	4,792	- 68.9	2-17-60	-	-		
15dbb-1	V. C. Carling	-	400	8	-	-	-	J	E	1	D,S	Hpb	+ .3	4,786	- 63.4	2-17-60	-	-		C,W.
15dcc-1	Claude Carling	39	114	6	114	P	-	J	E	3/4	D,S	Ls	0	4,785	- 47	1-25-39	-	-		
16ada-1	Fred Carling	28	109	6	60	O	G	J	E	1	D,S	Tca	0	4,771	- 47.2	2-17-60	-	-		
16bcb-1	F. W. Johnson	28	296	6	-	O	S,G	J	E	1/2	S	Ls	0	4,712	+ 6	3- 9-60	-	2	E,F	
16bcc-1	do	28	230	6	-	-	G	F	-	-	I	Tca	- 3.0	4,708	+ 7.8	3- 9-60	55	6	M,F	
16bcc-2	do	28	254	6	-	-	S,K	T	E	10	I,S	Tpp	+ .5	4,712	+ 3.4	3- 8-60	55	375	M,P	C.
16dcc-1	O. L. Christensen	16	-	6	-	-	-	J	E	1/2	D	Tca	0	4,743	- 27.8	3- 9-60	-	-		
17adc-1	Provident Investment Co.	17	236	8	-	-	-	F	-	-	I	Ls	0	4,694	+ 8	3- 8-60	56	-		C.
17add-1	do	18	260	6	-	-	C	E	5	I	Edp	- 3.5	4,701	+ 4.8	3- 8-60	54	30	M,F		
17add-3	do	57	385	16	385	P	G,K	T	E	50	I	Hpb	- 3.0	4,701	+ 6.1	3- 8-60	55	2,100	M,P	L.
17bda-1	Frank Brinkerhoff	28	344	6	-	-	S	F	-	-	I	Tca	0	4,682	+ 34.0	11-22-44	-	25	E,F	
17bdd-1	do	17	393	6	-	P	S,G	F	-	-	Nf	Tca	+ 1.0	4,683	+ 33.8	11-22-44	-	-		
17bdd-2	do	28	368	6	-	P	S,G	F	-	-	I	Tca	0	4,682	+ 34.7	11-22-44	57	10	E,F	C.
17bdd-3	do	56	530	10	502	P	G,K	T	E	20	I	Ls	0	4,683	+ 25	3- 9-60	56	950	M,P	
17cab-1	J. A. Johnson	22	430	6	430	P	G,S	T	E	10	I	Tca	+ 1.0	4,673	+ 35.7	11-22-44	59	375	M,P	

Table 1.--Records of selected wells in Pavant Valley - Continued

Well number	Owner or user	Year drilled (19)	Depth of well (feet reported)	Casing			Character of water-bearing material	Method of lift	Pump		Use of water	Measuring point		Altitude of land-surface datum (feet)	Water level		Temperature (°F)	Yield (gpm)		Other data available
				Diameter (inches)	Depth (feet)	Finish			Type of power	Horsepower of prime mover		Description	Above (+) or below (-) land-surface datum (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement				
(C-21-5)																				
17ccd-1	J. A. Johnson	19	347	6	-	-	G	J	E	1/2	D,S	Hca	+ 1.0	4,675	+ 12.6	3- 9-60	58	58	M,F	C.
17cda-1	Christensen Bros.	31	410	6	-	O	S	F	-	-	I	Tca	+ 3.0	4,682	+ 27.6	3- 9-60	58	-		C.
17cdd-1	do	19	315	6	-	-	S,G	J	E	1/2	D	Tca	+ 1.0	4,682	+ 20.1	3- 9-60	57	-		
17cdd-2	do	56	564	10	564	P	S,G,K	T	E	15	I	Ell	+ 1.5	4,682	+ 25.9	3- 9-60	58	1,000	M,P	
17dad-1	Mrs. O. E. Brower	17	285	6	-	P	S,G	T	E	10	I	Ls	0	4,705	+ 10	3- 9-60	54	260	M,P	
17ddd-1	J. A. Allen, et al.	25	281	6	-	-	-	T	E	5	I	Edp	+ 1.8	4,702	+ 10.3	3- 9-60	54	160	M,P	
18aba-1	Robison and Brinkerhoff	56	150	18	48	O	B	T	E	100	I	Apc	+ 1.3	4,656	- 47.8	2-17-60	55	3,400	M,P	C.
18ada-1	F. G. Johnson	30	453	6	-	O	-	J	E	1/2	D,S	Tca	+ 1.0	4,666	+ 14.0	4-26-43	61	-		C.
18ada-2	do	53	135	16	-	P	B,G,S	T	E	30	I,O	Tpp	+ .5	4,666	- 57.5	3- 9-60	56	1,200	M,P	C,L,W.
18add-1	do	19	508	6	-	-	-	N	-	-	Nf	Tca	+ .3	4,667	- .8	3- 9-60	62	-		C.
18dad-1	J. A. Johnson	18	400	6	-	-	-	J	E	3/4	D,S	Tca	+ 1.5	4,668	- 28.1	9- 2-60	59	50	M,F	
18dda-1	Lenard Jackson	21	448	6,5	448	O	S,G	T	E	10	I	Tca	+ .6	4,668	+ 34.9	11-22-44	59	425	M,P	
18ddd-1	Nolin Jackson	18	493	6,4	-	-	-	J	E	1/2	D,S	Tca	+ .5	4,669	- 8.4	5-25-59	61	35	M,F	C.
19aad-1	M. J. Palmer	18	455	6	-	-	-	F	-	-	I	-	-	4,671	-	-	-	-		C.
19ada-1	do	18	336	6	-	-	-	F	-	-	I	Tca	+ .8	4,671	+ 27.3	11-16-44	62	-		C.
19add-1	do	55	670	10	650	P	G	T	E	20	I	Tca	+ 1.0	4,672	+ 37.1	3-10-60	64	1,050	M,P	C.
19ccd-1	H. H. Hatton	45	60	6	60	P	S,G	N	-	-	Nf	Ls	0	4,658	- 8	7- 3-45	-	-		C.
19ccd-2	do	51	520	4,2	520	O	S,G	N	-	-	D,S	Edp	+ 2.5	4,658	- 24.7	3-11-60	-	-		
19ccd-3	do	59	160	16	114	O	B	T	E	30	I	Hpb	+ 1.0	4,658	- 56.3	9-25-62	56	1,150	M,P	
19daa-1	M. J. Palmer	17	403	7,6	-	-	-	F	-	-	I	Ls	0	4,671	+ 10	3-10-60	63	200	E,F	C.
19daa-2	do	15	232	7	-	-	-	F	-	-	D,S	Ls	0	4,671	+ 10	3-10-60	62	-		C.
19daa-3	do	61	650	16,12	650	P	G,S	T	E	40	I	Ls	0	4,671	+ 20	3-27-62	64	2,100	M,P	
19dcd-1	H. H. Hatton	17	330	7	-	P	G,S	N	-	-	Nf	-	-	4,665	-	-	61	-		C.
19dcd-2	W. C. Utley	18	334	8	-	-	-	N	-	-	D,S	Ls	0	4,665	+ 10	3-11-60	60	-		
19dcd-3	H. H. Hatton	54	615	10	607	P	S,G	F	-	-	I,O	Edp	+ 1.0	4,665	+ 40.9	3-11-60	65	220	M,F	C.
20aaa-1	J. L. Robinson	16	334	7,4	-	P	-	J	E	1/2	D,S	Tca	+ 1.5	4,702	+ 22.1	11-13-43	55	-		C.
20aad-1	do	18	272	6	-	P	S	N	-	-	Nf	Tca	0	4,702	+ 23.6	11-13-43	55	-		
20aad-2	do	56	631	16,12	-	P	-	T	E	40	I	Wst	+ 1.5	4,702	+ 11.2	3- 9-60	55	2,500	M,P	
20aba-1	J. A. Allen	26	341	6	-	P	S	T	E	7½	I	Edp	+ 1.5	4,692	+ 20.5	3-11-60	56	240	M,P	
20aba-2	do	47	48	6	48	O	G	J	E	3/4	D	Ls	0	4,692	+ 20	3-11-60	-	-		
20add-1	J. L. Robinson	17	271	6	-	P	-	F	-	-	S	Tca	0	4,705	+ 8.5	3- 9-60	56	-		
20bad-1	W. B. Mace	21	391	6	-	-	-	J	E	3/4	D,S	Tca	+ 2.5	4,683	+ 21.5	3-11-60	58	-		
20bba-1	J. A. Johnson	19	445	6,4	445	P	S,G	N	-	-	Nf	Tca	+ 1.0	4,674	+ 20.5	11-13-43	60	-		C.
20bba-2	do	53	480	8	480	P	S,G	T	E	20	I,O	Edp	+ 4.0	4,674	+ 33.6	3- 9-60	61	750	M,P	C,W.
20bda-1	do	19	317	7	-	-	-	F	-	-	I	Tca	+ 1.8	4,685	+ 21.6	3-11-60	58	-		
20bdd-1	Mace and Bushnell	21	343	6	-	-	-	N	-	-	Nf	Tca	+ 1.5	4,686	+ 32.6	3-14-43	59	-		
20bdd-2	do	55	615	10	615	P	G,S	T	E	20	I	Tca	+ 1.0	4,686	+ 25.5	3-11-60	61	950	M,P	
20cbd-1	Christensen Bros.	19	350	6	-	-	-	J	E	1/2	D,S	Tca	+ .3	4,676	+ 37.0	3-26-54	60	-		
20cca-1	do	25	488	6	-	P	-	N	-	-	Nf	Tca	+ .4	4,676	+ 37.3	11-14-43	64	-		C.
20cca-2	do	53	631	8	631	P	G	T	E	20	I,O	Edp	+ 1.0	4,675	+ 37.9	3-11-60	66	600	M,P	C,L,W.
20dad-1	J. D. Ivie	26	293	6	-	-	S,G	T	E	7½	I	Tca	0	4,703	+ 8.7	3- 9-60	57	275	M,P	C.
20dda-1	O. C. Allen	15	323	7	-	-	-	T	E	10	I	Tca	0	4,703	+ 26.3	3-10-44	58	500	M,P	C.
20dda-2	do	15	145	6	-	-	-	N	-	-	S	Tca	0	4,703	+ 16.0	11-12-43	58	-		C.
21aba-1	State of Utah	17	220	6	220	-	G	N	-	-	O	Tca	+ 1.5	4,744	- 27.3	3-20-60	-	-		W.
21acb-1	do	-	38	6	-	-	-	N	-	-	S	Tca	- 4.0	4,736	- 19.8	3- 9-60	-	-		
21bba-1	M. A. Tompkinson	18	281	7	-	-	-	N	-	-	S	Tca	- 2.8	4,718	- 3.7	3- 9-60	54	-		C.
21cba-1	do	15	279	7	-	-	-	J	E	3/4	D,S	Apc	- 1.6	4,715	- 10.2	3-23-61	56	-		C.
21cba-3	do	55	630	16,12	605	P	G,K	T	D	-	I	Edp	+ 3.3	4,716	- 10.1	3-23-61	56	3,050	M,P	C.
22cdb-1	Mrs. E. D. Davies, Jr.	13	64	6,4	-	-	-	N	-	-	S	Tca	- 3.0	4,773	- 57.8	3-17-60	-	-		
22cdb-2	do	60	120	6	120	O	-	J	E	-	D,S	Ls	0	4,773	- 58	3-17-60	-	-		
25aaa-1	City of Fillmore	56	600	16	-	P	K	Ts	E	75	P	Ls	0	4,989	-193	11-16-60	-	-		L.
27aaa-1	J. L. Robinson	-	147	8	-	-	-	Cy	W	-	S	Tca	0	4,826	-113.0	3- 8-60	-	-		
28aaa-1	Charles Owen	56	510	16	510	P	G,K	T	D	-	I,O	Hca	+ .5	4,752	- 36.8	3- 8-60	57	2,100	M,P	C,L,W.
28dda-1	Adelia Robinson	15	200	8	75	O	-	Cy	W	-	S	Tca	+ 1.0	4,747	- 30.9	3- 8-60	-	-		
28ddd-1	J. L. Robinson	15	136	8	-	-	-	N	-	-	S	Tca	+ 1.0	4,749	- 32.7	3- 8-60	-	-		
29aaa-1	W. C. Utley, et al.	22	269	6	-	-	-	F	-	-	I	Ls	0	4,703	+ 9	3- 8-60	-	-		
29aab-1	do	22	302	6	-	-	S,G	F	-	-	I	Ls	0	4,697	+ 12	3- 8-60	59	125	M,F	
29aac-1	do	22	315	6	-	-	-	F	-	-	I	Tca	+ 2.0	4,697	+ 12.5	3- 8-60	61	150	M,F	C.
29aad-2	do	22	300	6	300	O	-	F	-	-	I	Ls	0	4,706	+ 10	3- 8-60	60	65	M,F	C.
29aad-3	do	55	600	10	598	P	S,G	C	E	20	I	Edp	+ 2.5	4,706	+ 11.7	3- 8-60	64	1,820	M,P	C.
29aad-4	do	61	435	16	424	P	S,G	T	E	60	I	Ls	0	4,706	+ 1	3-27-62	-	-		
29aba-1	J. F. Kelly	22	330	6	-	P	S,G	F	-	-	I	Tca	+ 5.0	4,693	+ 34.0	11-16-44	59	180	M,F	
29baa-1	W. C. Utley, et al.	19	224	6	-	-	-	F	-	-	I	Tca	+ 1.2	4,682	- 6.7	9- 5-60	61	85	M,F	
29bba-1	C. R. Rasmussen	49	320	4	317	O	S,G	J	E	3/4	D, S,O	Edp	+ 1.0	4,676	+ 28.3	3-11-60	-	-		
29bdd-1	Lawrance Rasmussen	15	207	8	-	P	-	N	-	-	Nf	Tca	+ 2.1	4,684	+ 27.3	11-14-43	62	-		C.
29bdd-2	do	53	632	12,8	585	P	G,S	T	E	40	I,O	Edp	+ 1.0	4,684	+ 25.4	3-11-60	66	1,350	M,P	C,L.
29caa-1	do	17	314	6	-	O	-	J	E	1	I	Tca	0	4,687	+ 22.5	3-11-60	60	80	M,F	
29cad-1	do	26	440	6	-	-	-	F	-	-	I	Tca	+ 1.0	4,688	- 7.7	9- 5-60	63	100	M,F	C.
29cdd-1	Christensen Bros.	21	366	9	-	-	-	N	-	-	Nf	-	-	4,691	-	-	62	-		C.
29cdd-2	do	53	580	12	580	P	S,G	T	E	25	I	Edp	- 2.5	4,691	+ 22.3	3-11-60	64	2,100	M,P	C.
29cdd-3	Rasmussen Bros.	60	357	16	357	P	-	T	E	25	I	Tca	+ 1.9	4,691	+ 14.4	3-24-61	62	1,000	M,P	
29dca-1	J. F. Kelly	27	380	6	380	P	-	C	E	5	I	Edp	+ 4.4	4,699	+ 16.0	3-11-60	62	135	M,F	C.
29dcd-1	do	27	266	6	266	P	-	J	E	1	D,S	Tca	+ .5	4,699	- 17.1	9- 5-60	60	200	M,F	
29ddd-1	do	27	277	6	272	P	-	F	-	-	S	Tca	0	4,712	- 26.4	9- 5-60	60	9	M,F	C.
30ada-1	W. R. Starley	25	470	8,4	470	P	G,S	J	E	1	D,S	Tca	+ 1.0	4,671	+ 57.7	3-25-54	62	-		C.

Table 1.--Records of selected wells in Pavant Valley - Continued

Well number	Owner or user	Year drilled (19)	Depth of well (feet reported)	Casing			Character of water-bearing material	Method of lift	Pump		Use of water	Measuring point		Altitude of land-surface datum (feet)	Water level		Temperature (°F)	Yield (gpm)		Other data available
				Diameter (inches)	Depth (feet)	Finish			Type of power	Horsepower of prime mover		Description	Above (+) or below (-) land-surface datum (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement				
(C-21-5)																				
30bad-1	Christensen Bros.	44	365	3	365	O	S,G	J	E	1	D,S	Tca	+ 2.2	4,661	+ 11.9	3-17-60	60	-		C.
30daa-1	W. C. Utley	30	437	6	-	O	S,G	F	-	-	I	Ell	+ 2.0	4,672	+ 31.1	11-18-43	62	-		
30dad-1	do	28	420	6	-	O	S,G	F	-	-	I	Tca	0	4,673	+ 35.5	11-18-43	63	50	M,F	C.
30dad-2	Utley and Starley	60	900	12	772	P	-	T	E	40	I	Tca	+ 1.0	4,673	+ 26.2	3-24-61	68	1,700	M,P	
30dbc-1	Christensen Bros.	29	304	6	-	-	S	F	-	-	I	Tca	+ .6	4,668	+ 50.0	2- 6-41	61	-		
30dbc-2	do	49	250	8	155	P	S	T	E	10	I	Hca	+ .5	4,668	- 9.4	3-17-60	56	300	M,P	
30dbc-3	do	60	787	16	773	P	-	F	-	-	I	Ls	0	4,668	+ 50	3-27-61	67	700	M,F	C,L.
30dbd-1	do	29	350	6	-	-	S,G	F	-	-	I	Tca	+ .5	4,669	+ 46.3	3-27-43	61	-		C.
31acb-1	J. N. Rogers	31	340	6	340	P	S,G	F	-	-	I	Tca	+ 1.2	4,668	+ 16.2	3-24-61	59	9	M,F	C.
31cda-1	do	22	330	6	-	-	-	F	-	-	I	Tca	0	4,678	+ 34.4	3-17-43	58	340	M,F	
31cdd-1	do	26	252	6	-	O	S	N	-	-	Nf	-	-	4,680	-	-	59	-		C.
31cdd-2	do	59	800	11	800	P	G,K	T	E	25	I	Tca	+ .8	4,680	+ 37.6	3-17-60	63	1,150	M,P	C,L.
32aad-1	J. F. Kelly	27	296	6	296	P	G	C	E	5	I	Ell	+ 2.1	4,711	+ 5.0	3-11-60	60	-		
32acb-1	do	35	266	10	266	P	S	N	-	-	Nf	-	-	4,694	-	-	60	-		C.
32bba-1	Lawrance Rasmussen	56	600	12	600	P	-	T	E	20	I	Hpb	+ 1.0	4,682	+ 26.9	4- 1-60	64	1,100	M,P	
32bcb-1	do	27	285	6	-	-	-	F	-	-	S	Tca	+ .5	4,680	+ 34.7	11-16-43	60	-		C.
32bcd-1	W. C. Utley	31	254	8	75	O	G,S	F	-	-	I	Tca	+ .6	4,686	+ 36.3	11-15-44	60	-		C.
32ccd-1	do	27	284	6	-	O	S	F	-	-	I	Tca	+ 1.5	4,693	+ 1.0	6-28-60	58	275	M,F	
32dda-1	L. V. Barnes	23	238	6	-	O	S	J	E	1	D,S	Edp	+ .2	4,712	+ 4.6	3-17-60	57	90	M,F	
33aaa-1	W. E. Black	15	200	8	-	-	-	Cy	-	-	S	Tca	+ 1.0	4,749	- 32.7	3- 8-60	-	-		C.
33aad-1	C. A. Davies	61	352	16	350	P	G,S	T	E	50	I	Hca	+ 1.2	4,747	- 46.9	3-20-62	-	-		
33add-1	R. E. Sweeting	15	200	7	-	-	-	Cy	G	2½	S	Hca	+ .6	4,747	- 29.5	3- 8-60	-	-		
33bcb-1	J. F. Kelly	27	264	6	-	-	G	N	-	-	I	Tca	+ 1.0	4,712	- 29.1	9- 5-60	59	-		
33bcc-1	do	27	245	6	-	-	-	F	-	-	I	Tca	+ 2.0	4,713	- .3	3-17-60	-	-		C.
33bcc-2	do	27	318	6	-	-	-	F	-	-	I	Tca	+ 1.5	4,713	+ 3.6	3-17-60	61	-		C.
33bcc-3	do	60	360	16	360	P	G,S	T	E	40	I	Edp	+ 1.9	4,713	- 3.7	3-24-61	59	1,850	M,P	
33ccd-1	L. V. Barnes	55	250	16	250	P	G,S	T	P	-	I	Hpb	+ 2.0	4,723	- 5.8	3-17-60	57	1,900	M,P	C.
33cdd-2	Mrs. C. D. Christensen	37	134	5	80	P	S,G	Cy	H	-	S	Tca	+ .5	4,734	- 22.2	3-17-60	-	-		
33dcc-1	do	15	200	8	200	O	-	C	-	-	I,O	Hpb	- 9.0	4,735	- 18.1	3-17-60	57	-		C,W.
33dcc-2	do	56	258	16	258	P	G,S	T	P	-	I,O	Apc	+ 1.0	4,740	- 21.6	3-17-60	57	1,900	M,P	L,W.
34baa-1	R. E. Sweeting	13	190	8	-	-	-	N	-	-	O	Tca	+ 1.0	4,773	- 55.9	3-17-60	-	-		W.
34bdd-2	do	13	190	8	-	-	-	J	E	1	S	Ls	0	4,775	- 55	3-17-60	-	-		
34ccc-1	Reay Bros.	15	250	8	-	-	-	Cy	H	-	S	Tca	+ 1.0	4,757	- 22.4	3-23-45	-	-		
35cda-1	Clarence Davies	26	120	4	-	-	-	N	-	-	S	Hpb	+ 1.0	4,835	- 95.2	2-28-45	-	-		C.
(C-21-6)																				
1ddb-1	C. W. Larsen	55	105	16	80	O	B	T	E	75	I	Hpb	+ .7	4,656	- 51.9	2-17-60	55	3,300	M,P	C,L,W.
25acd-1	C. R. Rasmussen	-	20	36	-	O	S	Cy	W,G	2½	S	Tca	0	4,658	- 14.4	3-11-60	-	-		C.
26aca-1	Mrs. O. E. Brower	53	105	16	-	O	S	N	-	-	Nt	Tca	- .1	4,665	- 67.0	3-11-60	-	-		
36cdd-1	Rasmussen Bros.	62	310	16	-	-	S	-	-	-	I	Tca	+ 1.5	4,671	- 3.6	6-20-62	-	-		L.
(C-22-5)																				
2add-1	V. C. Stott	53	335	16	335	P	G	T	D	-	I	Hdp	+ 4.0	4,916	-197.1	3-12-60	59	1,150	M,P	
2bca-1	do	-	134	8	-	-	-	N	-	-	S,O	Tca	0	4,840	-122.1	3-12-60	-	-		
3baa-1	Reay Bros.	51	380	16	380	P	S,G	T	D	-	I	Hpb	+ 1.5	4,784	- 67.7	3-12-60	-	-		L,W.
3ccd-1	H. F. Robison	56	142	4	142	O	G	Cy	G,H	2½	S	Ls	0	4,878	- 25	3-10-56	-	-		
4aba-1	L. V. Barnes	18	190	9	-	-	-	T	D	-	I	Ls	0	4,745	- 28	3-12-60	-	-		
4baa-1	do	31	10	14	10	O	S	N	-	-	S	-	-	4,730	-	-	-	-		C.
4bbd-1	Olaf George	55	250	16,12	250	P	G	T	E	60	I,O	Hpb	+ 2.0	4,726	- 6.8	3-17-60	59	1,800	M,P	C.
4cbd-1	F. P. Robison	55	276	14	272	P	G	T	E	20	I	Hpb	+ .5	4,721	- 25.8	5- 3-60	60	850	M,P	
4ccd-1	do	26	284	6	-	-	-	N	-	-	Nf	-	-	4,730	-	-	62	-		
4daa-1	J. B. Davies	19	218	8	-	-	-	Cy	W	-	S	Hpb	+ .2	4,756	- 36.9	3-17-60	-	-		C.
4dca-1	Williams and Black	50	251	14,10	251	P	G,S,K	T	E	40	I,O	Hca	+ .6	4,749	- 31.1	3-16-60	59	1,300	M,P	L,W.
5aca-1	L. V. Barnes	20	248	6	-	-	-	F	-	-	S	Hca	0	4,708	- 16.2	9- 5-60	58	15	M,F	C.
5bba-1	W. C. Utley	28	280	6	-	-	S	F	-	-	I	Ell	0	4,692	- 6.1	9- 5-60	59	165	M,P	C.
5bca-1	do	27	288	6	-	-	-	C	E	15	I	Edp	- .2	4,694	+ 18.5	3-17-60	59	250	M,F	
5bcd-1	do	29	350	6	-	-	-	F	-	-	I	Tca	+ 1.5	4,698	- 7.0	9- 5-60	58	-		
6acd-1	J. N. Rogers	16	319	8	-	-	-	F	-	-	S	Hca	+ 3.0	4,690	+ 36.1	3-17-43	59	45	M,F	C.
7bdd-1	Mrs. Leo Stott	15	390	7	-	-	-	F	-	-	S,O	Ls	0	4,694	+ 20	3-17-60	-	-		C.
7cad-1	do	15	176	7	-	-	-	F	-	-	S	Ls	0	4,698	+ 20	3-17-60	55	-		C.
8aad-1	W. W. Watts	24	325	6	-	-	-	N	-	-	Nf	Ls	0	4,728	- 9	3-17-60	60	-		C.
8cda-1	R. E. Stott	19	270	6	-	-	-	N	-	-	S	Tca	0	4,722	- 2.6	3-16-60	59	-		C.
8cdd-1	do	27	460	6	-	-	-	T	E	10	I	Tca	+ 1.0	4,727	+ 13.1	3-16-60	57	380	M,P	C.
8cdd-2	do	27	380	6	-	-	-	F	-	-	I	Ls	0	4,727	+ 13	3-16-60	-	350	M,F	
8cdd-3	do	61	475	12	456	P	G,S	T	E	30	I	Ls	0	4,727	+ 8	3-27-62	-	-		
9bba-1	W. W. Watts	55	555	18,12,8	555	P	S,G	T	E	100	I,O	Hpb	+ 1.0	4,731	- 11.7	3-16-60	-	1,900	M,P	L,W.
9cad-1	W. A. Paxton	15	196	8	-	-	-	Cy	W	-	S	Tca	0	4,753	- 27.7	3-16-60	-	-		C.
9cad-2	do	51	527	16,12,10	527	P	S,G	T	E	75	I,O	Bpb	0	4,752	- 22.6	3-16-60	69	1,600	M,P	C,W.
10bbb-2	E. A. Beckstrand	61	338	10	338	P	S,G	T	E	20	I	Ls	0	4,767	- 55	3-27-62	-	-		
17abd-1	Gilbert Stott	16	422	8	-	-	-	T	E	7½	I	Tca	+ 4.0	4,736	+ 13.3	3-16-60	60	290	M,P	
17acd-1	Mrs. Leo Stott	18	270	10	-	-	-	F	-	-	S	Tca	0	4,737	- 3.3	6-11-60	57	6	M,F	
17bdd-1	William Blake	26	375	6	348	-	-	F	-	-	I,O	Ell	+ 2.5	4,730	+ 17.2	3-16-60	58	100	M,F	C,W.
17bdd-2	do	34	375	8,5	-	-	G,S	T	E	30	I	Ls	0	4,727	+ 17	3-16-60	57	435	M,P	
17cdd-1	Grant Beckstrand	16	260	8	-	-	-	T	E	25	I,S	Tca	+ 2.0	4,740	+ 12.8	3-12-60	-	-		
17dad-1	Wells Brunson	59	490	14	490	P	G,S	T	E	50	I	Tca	+ .5	4,753	- 9.9	3-16-60	58	1,800	M,P	
17dbd-1	Newton McBride	19	350	7	-	-	-	F	-	-	I	Ls	0	4,743	+ 5	3-16-60	57	150	M,F	

Table 1.--Records of selected wells in Pavant Valley - Continued

Well number	Owner or user	Year drilled (19)	Depth of well (feet reported)	Casing			Character of water-bearing material	Method of lift	Pump		Use of water	Measuring point		Altitude of land-surface datum (feet)	Water level		Temperature (°F)	Yield (gpm)		Other data available
				Diameter (inches)	Depth (feet)	Finish			Type of power	Horsepower of prime mover		Description	Above (+) or below (-) land-surface datum (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement				
(C-22-5)																				
17dbd-2	Newton McBride	57	560	16	560	P	G,S	T	D	-	I	Ls	0	4,743	+ 10	3-16-60	58	2,100	M,P	C,L.
17dcd-1	do	21	350	7	-	-	-	F	-	-	I	Tca	0	4,744	- 3.6	9- 6-60	-	-		
19ddd-1	Cohen and Harding	26	216	8	-	-	S,G	C	E	3/4	S	Tca	+ 1.7	4,753	- 5.9	9- 6-60	54	20	M,F	
20aad-1	V. C. Stott	18	280	8	-	-	-	T	E	20	I	Edp	+ 8.0	4,761	- 10.3	3-16-60	-	-		
20aba-1	Mrs. Leo Stott	21	263	7	-	-	-	T	E	15	I	Bpb	+ 6.0	4,746	+ 6	3-12-60	56	525	M,P	
20abd-1	do	20	260	7	-	-	-	T	E	15	I	Tca	+ .5	4,747	- 4.0	9- 6-60	-	-		
20acd-1	E. S. Bushnell	19	255	8	-	-	-	F	-	-	I	Tca	+ 2.0	4,751	- 7.0	9- 6-60	56	14	M,F	
20acd-2	do	-	255	8	-	-	-	F	-	-	I	Tca	+ .3	4,751	- 7.0	9- 6-60	56	9	M,F	
20adb-1	Cecil Fisher	18	280	6	-	-	-	C	G	-	S	Tca	+ 3.0	4,755	- 1.7	3-12-60	-	-		
20adc-1	do	61	-	-	-	-	S,G	T	E	10	I	Tca	+ 1.3	4,755	- 21.4	3-20-62	-	-		
20baa-1	George Roberts	15	260	8	-	-	-	F	-	-	I	Tca	+ .3	4,743	- 3.6	6-28-60	56	-		
20bdd-1	Clifton Beckstrand	17	300	8	-	-	-	T	E	5	I	Ls	0	4,745	+ 5	3-15-60	56	130	M,P	
20ccc-1	J. L. Greenhalgh	15	282	6	-	-	-	F	-	-	I	Tca	+ 1.5	4,753	- 6.6	9- 6-60	55	-		
20ccd-1	do	25	282	7	-	-	-	F	-	-	I	Tca	+ 2.9	4,754	- 5.8	9- 6-60	55	-		C.
20dba-1	R. C. Duncan	25	280	8	-	-	-	F	-	-	I	Tca	0	4,751	- 8.3	9- 6-60	55	-		
20dbc-1	do	15	260	7	-	-	-	T	E	10	I	Tca	+ 2.0	4,754	- 6.9	3-16-60	56	425	M,P	
21acd-1	Mrs. Leo Stott, et al.	51	430	16,14	430	P	G	T	E	20	I	Tca	0	4,808	- 41.8	3-24-54	56	-		
21acd-2	do	53	340	16	340	P	G	T	E	30	I,O	Tca	- .5	4,808	- 50.3	3-12-60	56	650	M,P	C.
21bab-1	W. B. Bushnell	61	335	10	333	P	G,S	T	E	15	I	Tca	+ 1.0	4,786	- 40.3	3-20-62	-	-		
21dda-1	Meadow Irrigation Co.	50	370	16,10	370	P	G	T	E	50	I,O	Tca	0	4,828	- 60.2	3-15-60	57	625	M,P	L,W.
22adc-2	do	59	260	14	260	P	G	T	E	60	I	Tca	+ 1.5	4,908	-123.8	3-15-60	-	-		
22bac-1	A. S. Beckstrand, et al.	50	611	16,12, 10,8	417	P	G,S	T	E	50	I	Tca	0	4,865	- 92.0	8- 5-60	58	650	M,P	
22dac-1	Walker Creek Irrigation Co.	59	332	16	330	P	G	T	E	40	I	Tca	+ 1.5	4,902	-118.6	3-15-60	58	400	M,P	L.
28aad-1	L. M. Bushnell, et al.	51	354	16,14	354	P	G,S	T	E	50	I,O	Hpb	+ .4	4,818	- 49.9	3-15-60	58	650	M,P	
28bcc-1	H. N. Bushnell	24	70	8	-	-	-	Cy	H	-	S,O	Tca	0	4,776	- 24.4	3-15-60	-	-		W.
28dbd-1	Noreen Labrum	28	112	8	-	-	-	Cy	H	-	S,O	Hpb	+ 1.0	4,812	- 48.7	3-15-60	-	-		W.
29cda-1	Millard County	26	85	8	-	-	-	N	-	-	S,O	Tca	0	4,776	- 15.7	3-15-60	-	-		W.
29cdd-1	O. E. Beckstrand	40	151	12	151	P	G	T	E	20	I	Hca	- 2.0	4,781	- 19.3	3-15-60	54	600	M,P	
30aca-1	Grant Beckstrand	-	-	6	-	-	-	C	G	2½	S	Tca	+ .3	4,772	- 10.3	3-16-60	-	-		
30cad-1	Weldo George	51	120	6	120	P	G,S	Cy	W	-	S	Tca	+ .8	4,771	- 4.1	3-16-60	52	-		
32abc-1	Genevieve Paxton	26	275	8	-	-	-	J	E	1	S	Tca	+ 1.0	4,786	- 22.3	3-15-60	-	-		
32abc-2	do	-	-	6	-	-	-	J	E	1	S	Tca	+ 2.5	4,787	- 23.1	3-15-60	-	-		
32cdd-1	O. and G. Kimball	56	256	16	250	P	G,S	T	P	-	I	Edp	+ 7.0	4,812	- 45.7	3-15-60	54	2,200	M,P	
32dbd-1	F. T. Paxton	37	182	12	182	P	G,S	T	D	-	I	Hpb	+ .5	4,800	- 40.6	3-21-60	-	-		
32dbd-2	do	51	200	16	200	P	S,G	T	D	-	I	Ls	0	4,803	- 42	3-21-60	-	-		
33abc-1	Grant Beckstrand	47	250	12,10	250	P	S,G	T	E	50	I	Ls	0	4,820	- 60	3-21-60	56	1,200	M,P	C.
33bca-1	N. M. Stewart, Jr.	18	80	6	-	-	-	Cy	-	-	S	Tca	+ .5	4,800	- 36.2	3-15-60	-	-		
33ccd-1	A. L. Kimball	50	240	16	174	P	G,S	T	E	75	I	Bpb	+ 1.3	4,830	- 63.5	3-15-60	56	1,900	M,P	
33cdd-1	do	40	152	12	152	P	G	T	D	-	D,S	Hpb	0	4,834	- 68.3	3-15-60	-	-		W.
33cdd-2	do	59	270	16	270	P	-	T	D	-	I,O	Tca	+ 1.0	4,835	- 68.3	3-15-60	56	1,600	M,P	L.
(C-22-6)																				
3add-1	Edwards and Harding	50	152	4	-	-	-	N	-	-	S	Tca	+ 3.0	4,691	- 11.4	3-12-60	-	-		
3add-2	do	50	339	16,10	328	P	B	T	E	40	I	Tca	0	4,687	- 13.7	3-12-60	63	700	M,P	C,L.
19aaa-1	A. L. Kimball	58	152	18	22	O	B	T	D	-	I	Tca	+ .5	4,747	- 83.8	9- 8-60	-	-		L.
32ccc-1	do	55	115	18	80	P	B	T	E	60	I,O	Hca	- 2.5	4,711	- 38.9	3-16-60	57	2,350	M,P	C.
32dad-1	W. B. Bushnell	53	400	16,12	258	P	S,G	N	-	-	I,O	Tca	+ .7	4,698	- 23.7	3-16-60	-	-		L,W.
32dcc-1	do	53	115	16	115	P	B	T	E	40	I,O	Tpp	+ 1.6	4,694	- 19.3	3-16-60	58	2,600	M,P	C.
36dda-1	Whitaker Bros.	45	40	4	40	P	S,G	Cy	H	-	S	Tca	+ .4	4,788	- 14.3	3-21-60	-	-		
(C-23-5)																				
5acd-1	F. T. Paxton	59	353	20	350	P	G	T	E	125	I	Hpb	+ 1.0	4,842	- 73.6	3-15-60	56	2,900	M,P	C,L.
5adc-1	do	50	180	14	180	P	G	T	D	-	I,O	Edp	+ 6.0	4,847	- 78.4	3-15-60	56	900	M,P	C.
5bcb-1	do	56	100	6	89	P	G	J	E	1	S	Ls	0	4,819	- 49	3-15-60	-	-		
5cba-1	do	52	225	16	225	P	G	T	E	75	I,O	Apc	+ 1.5	4,830	- 60.6	3-15-60	54	1,800	M,P	
6acd-1	Earl Whitaker	-	-	6	-	-	-	J	E	1	D,S	Tca	- 5.0	4,822	- 49.4	3-21-60	-	-		
6adc-1	F. M. Bird	28	65	8	-	-	-	J	E	1	D,S	Ls	0	4,824	- 50	3-21-60	-	-		
6bdc-2	Parley Kimball	-	-	6	-	-	-	Cy	H	-	S	Tca	+ .1	4,817	- 40.0	3-21-60	-	-		
6bdd-1	Harold Whitaker	-	-	6	-	-	-	J	E	3/4	D,S	Tca	- 6.3	4,818	- 44.6	3-21-60	-	-		
6cab-1	Ted Whitaker	-	-	6	-	-	-	J	E	1	D,S	Tca	- 5.5	4,818	- 42.8	3-21-60	-	-		
6daa-1	Hatton Irrigation Co.	34	212	12	202	P	G	T	E	25	I,O	Edp	+ 5.0	4,829	- 58.3	3-15-60	53	650	M,P	W.
6daa-3	Howard Bird	61	211	16	210	P	G	T	E	40	I	Tca	+ 1.5	4,832	- 71.4	3-22-62	-	-		
6dcd-1	Whitaker Bros.	52	250	16	250	P	G	T	E	75	I	Apc	+ 1.0	4,849	- 74.5	3-21-60	53	1,600	M,P	
7aaa-1	Mrs. Mabel George	52	295	16	253	P	S,G	T	E	75	I	Hpb	+ .7	4,857	- 82.2	3-21-60	53	1,700	M,P	
17aac-2	Kanosh Poultry Farm	49	176	6	176	O	S,G	T	E	-	S	Ls	0	4,953	- 75	3-21-60	-	-		
19aca-1	Ray Paxton	50	176	6	176	O	G	T	E	3	S	Hpb	+ 1.0	4,969	-157.2	9- 9-60	-	-		
28adb-1	Corn Creek Irrigation Co.	50	207	8	-	-	-	N	-	-	Nt	-	-	5,160	-	-	-	-		
29bca-2	F. T. Paxton	55	320	6	145	O	S,G	T	-	-	S	Tca	- 3.7	5,015	-147.9	9- 9-60	-	-		L.
(C-23-6)																				
1abd-1	Whitaker Bros.	-	25	36	0	O	-	N	-	-	Nf	Tpp	+ 2.5	4,795	- 15.8	12- 1-45	-	-		
1cad-1	Mrs. Mable George	37	146	6	146	P	G	N	-	-	Nf	Tpp	0	4,812	- 46.9	12- 1-48	-	-		C.
1cda-1	Mrs. Viola George	-	-	6	-	-	-	Cy	H	-	S	Tca	+ 1.0	4,817	- 51.4	3-16-60	-	-		
1dcc-1	Mrs. Leah George	59	550	18	20	O	-	N	-	-	Nt	Ls	0	4,828	-471	3-21-60	-	-		
2dad-1	F. M. Bird	53	400	16	80	O	B	N	-	-	Nt, O	Tca	+ .5	4,798	- 52.4	3-16-60	-	-		L,W.
3dbc-1	G. D. Staples	50	118	4	-	O	B	Cy	W	-	S	Ls	0	4,743	- 60	3-16-60	-	-		
5cbc-1	B. P. and M. Watts	53	162	16	-	-	B	T	D	-	I,O	Tca	+ .5	4,706	- 35.5	3-15-60	57	1,750	M,P	L.
8abd-1	do	53	200	16	97	O	B	T	D	-	I,O	Hpb	+ 1.0	4,704	- 30.8	3-15-60	58	2,550	M,P	C.

Table 1.--Records of selected wells in Pavant Valley - Continued

Well number	Owner or user	Year drilled (19)	Depth of well (feet reported)	Casing			Character of water-bearing material	Method of lift	Pump		Use of water	Measuring point		Altitude of land-surface datum (feet)	Water level		Temperature (°F)	Yield (gpm)		Other data available
				Diameter (inches)	Depth (feet)	Finish			Type of power	Horsepower of prime mover		Description	Above (+) or below (-) land-surface datum (feet)		Above (+) or below (-) land-surface datum (feet)	Date of measurement				
(C-23-6)																				
8bdb-1	H. F. and C. H. Watts	20	100	6	-	-	B	N	-	-	S,O	Tca	0	4,703	- 30.8	3-15-60	-	-		C,W.
9bca-1	Keith Pace	57	170	18	106	O	B	T	E	75	I,O	Apc	+ .5	4,706	- 33.0	3-15-60	62	3,350	M,P	C.
9ccd-1	do	46	136	18,16	134	P	B,G	T	E	50	I,O	Hpb	+ 1.0	4,711	- 36.2	3-15-60	59	1,800	M,P	C,L,W.
10bdd-1	C. A. Kimball	52	132	16	-	P	B,G	N	-	-	I,O	Tca	+ .5	4,749	- 62.2	3-15-60	-	-		L,W.
10ccc-1	do	53	96	16	96	P	B	T	E	75	I,O	Hca	0	4,731	- 43.8	3-21-60	60	2,550	M,P	C.
13dcb-1	Milo Watts	62	205	6	201	P	S,G	Cy	G	-	S	Tca	+ 1.0	4,895	-131.3	9-25-62	-	-		L.
15baa-1	C. A. Kimball	58	125	16	-	-	B	T	E	75	I	Edp	+ 8.0	4,750	- 61.6	3-15-60	57	2,550	M,P	L.
15bbd-2	G. D. Staples, et al.	49	141	16	-	O	B	T	E	75	I	Tca	+ 2.0	4,745	- 59.2	3-22-62	60	3,100	M,P	C.
15bbd-3	do	59	145	16	-	-	B	T	E	75	I	Hca	+ 1.0	4,745	- 52.8	3-15-60	-	-		
16bad-1	Keith Pace	55	130	18	117	P	B	T	E	60	I,O	Hca	0	4,721	- 43.2	3-15-60	58	2,350	M,P	C,L,W.
16bbd-1	do	58	145	6	98	O	B	J	E	1	S	Tca	+ .5	4,713	- 44.7	9- 8-60	-	-		
16cda-1	Alvin Englestead	56	205	16	117	O	B	T	E	50	I,O	Hca	+ 1.5	4,733	- 44.5	3-15-60	58	1,150	M,P	C.
16cdd-1	do	50	148	16	132	P	B	N	-	-	Nt, O	Tca	+ .5	4,738	- 50.4	3-15-60	-	-		
17aad-1	Mrs. E. C. Fessenden	-	-	4	-	-	-	N	-	-	S	Tca	+ 1.0	4,715	- 40.9	3-15-60	-	-		
17acd-1	LaVal Bradshaw	-	-	10	-	-	S,G	Ts	E	1/2	S	Tca	- 5.4	4,716	- 39.9	3-15-60	-	-		
17baa-1	H. F. and C. H. Watts	58	262	18	140	-	B	N	-	-	Nt	Tca	+ 2.0	4,710	- 35.5	3-15-60	-	-		
17cdc-1	LaVal Bradshaw	56	440	16,12	400	P	G,S	T	D	-	I,O	Hca	0	4,727	- 58.2	3-15-60	61	1,700	M,P	C,L,W.
19abb-1	Olaf George	24	85	8	-	-	-	N	-	-	Nf, O	Tca	+ 2.0	4,740	- 53.4	3-21-60	-	-		
19bad-1	do	49	270	6	270	O	S,G	T	G	2½	S	Ls	0	4,742	- 55	3-21-60	-	-		L.
20caa-1	N. L. Nielson	57	307	16	300	P	S,G	T	E	75	I,O	Hca	+ 1.0	4,743	- 62.8	3-15-60	57	1,500	R,P	C,L.
20cbb-1	do	57	430	16	280	P	S,G	N	-	-	I,O	Tca	+ .5	4,746	- 68.5	3-21-60	61	-		C,L.
20ccc-1	do	56	320	16	175	P	S,G	N	-	-	I,O	Tca	+ 1.0	4,759	- 80.3	3-21-60	-	-		
21add-1	Victor McCanon	57	445	16	155	O	B	T	D	-	I,O	Hpb	+ .4	4,795	- 99.2	3-15-60	57	1,050	M,P	C,L.
21bdd-1	Ronald Bradshaw	57	415	14	-	P	B,G	T	D	-	I,O	Edp	+12.5	4,754	- 69.6	3-15-60	58	1,550	M,P	C,L.
21cdd-1	D. H. Moore	58	630	16	147	P	-	N	-	-	Nt, O	Tca	+ 1.0	4,789	- 99.8	3-25-58	-	-		C,L,W.
28bbb-1	J. C. Moore	50	194	16,12	185	P	G,S	T	E	50	I,O	Edp	+ 5.4	4,768	- 91.2	3-15-60	56	-		C,L.
28bbb-2	do	61	-	-	-	-	G,S	T	E	-	I	Hca	+ .5	4,768	- 98.1	3-22-62	-	-		
29baa-3	F. T. Paxton	59	200	6	200	P	G	T	E	5	S	-	-	4,760	-	-	-	-		

Table 2.--Water levels and artesian pressures in observation wells in Pavant Valley

Water levels in feet below land-surface datum are designated by a minus (-) sign immediately before the first entry in each column in the table, and artesian pressures above land-surface datum are designated similarly by a plus (+) sign. Where some measurements are above and others below land-surface datum, the readings between plus signs are above the plane of reference, those between minus signs are below the plane of reference.

An asterisk (*) immediately after a measurement indicates that the measurement was made by the Office of the Utah State Engineer; measurements given to the nearest foot are reported; all other measurements were made by the U.S. Geological Survey. Measurements preceding the first listed measurement have been published in the following Water-Supply Papers of the Geological Survey:

Year	Number	Year	Number	Year	Number	Year	Number	Year	Number	Year	Number	Year	Number
1936	817	1939	886	1942	948	1945	1027	1948	1130	1951	1195	1954	1325
1937	840	1940	910	1943	990	1946	1075	1949	1160	1952	1225	1955	1408
1938	845	1941	940	1944	1020	1947	1100	1950	1169	1953	1269		

(C-18-5)27bab-1. Records available 1951-62

Mar. 20, 1951	-47.4	Apr. 7, 1954	-49.9	Dec. 11, 1958	-59.0
June 8	1/108.4	Nov. 29	50.0	Mar. 24, 1959	57.6
July 3	1/121.0	Mar. 29, 1955	49.8	Dec. 15	61.0
Aug. 14	54.8	Dec. 7	52.4	Feb. 4, 1960	60.2
Nov. 6	49.7	Mar. 23, 1956	51.7	Apr. 18	1/154.9
Dec. 3	50.0	Oct. 9	57.2	Aug. 29	1/147.1
Apr. 2, 1952	48.9	Dec. 7	54.9	Dec. 14	64.0
Nov. 24	53.6	Mar. 20, 1957	54.0	Mar. 20, 1961	62.5
Mar. 25, 1953	49.2	Dec. 5	57.2	Mar. 16, 1962	64.8
Dec. 3	49.3	Mar. 26, 1958	56.3		

(C-18-5)28acc-1. Records available 1936-45, 1960-62

Feb. 4, 1960	-24.1	Aug. 29, 1960	-24.8	June 29, 1961	-25.7
Mar. 5	24.3	Oct. 4	24.6	July 31	25.0
Mar. 29	24.4	Nov. 18	24.0	Aug. 28	24.8
May 23	25.7	Dec. 14	24.1	Mar. 16, 1962	24.5
July 12	25.2	Mar. 20, 1961	24.5	Sept. 10	23.9
Aug. 3	25.8	May 9	26.2		

(C-18-5)34adb-1. Records available 1951-54, 1960-62

Mar. 20, 1951	-46.2	Dec. 3, 1953	-48.7	Apr. 5, 1960	-65.9
Aug. 14	51.9	Apr. 7, 1954	49.1	Dec. 14	64.8
Apr. 2, 1952	49.4	Nov. 29	49.4	Mar. 20, 1961	63.7
Nov. 24	2/50.4	Feb. 4, 1960	61.1	Mar. 16, 1962	66.2
Mar. 25, 1953	49.1				

(C-18-5)34baa-1. Records available 1951-62

Mar. 20, 1951	-30.4	Nov. 29, 1954	-32.0	Dec. 11, 1958	-40.5
June 7	1/109.2	Mar. 29, 1955	32.4	Mar. 24, 1959	39.9
July 3	35.6	June 18	1/100.5	Dec. 8	43.0
Aug. 14	3/ 45.9	Dec. 7	34.5	Feb. 4, 1960	42.7
Nov. 6	32.5	Mar. 23, 1956	34.5	Apr. 5	1/96.8
Dec. 3	32.3	Oct. 9	38.8	May 23	1/99.7
Apr. 2, 1952	32.4	Dec. 7	37.2	Aug. 29	1/103.7
Nov. 24	32.9	Mar. 20, 1957	37.2	Dec. 14	45.9
Mar. 25, 1953	31.8	June 18	1/101.9	Mar. 20, 1961	45.2
Dec. 3	32.0	Dec. 5	39.4	Mar. 16, 1962	47.6
Apr. 7, 1954	31.5	Mar. 26, 1958	39.3		

(C-18-5)34bba-1. Records available 1951-53, 1960-62

Mar. 20, 1951	-26.4	Apr. 2, 1952	-28.1	Apr. 5, 1960	1/-101.0
June 7	1/107.5	July 9	1/121.7	Aug. 29	1/105.0
Aug. 14	1/113.1	Nov. 24	28.2	Mar. 20, 1961	39.5
Nov. 6	28.7	Mar. 25, 1953	27.9	May 9	1/102.6
Dec. 3	28.4	Feb. 4, 1960	2/38.2	Mar. 16, 1962	42.3

(C-19-4)30dab-1. Records available 1951-62

Mar. 21, 1951	-44.4	Mar. 10, 1953	-44.0	Mar. 23, 1956	-44.0
Nov. 6	45.2	Dec. 3	43.4	Dec. 7	45.2
Apr. 2, 1952	45.4	Apr. 7, 1954	43.5	Mar. 20, 1957	45.3
July 11	1/100.2	Dec. 1	43.3	Dec. 5	46.1
Dec. 1	44.3	Mar. 29, 1955	43.1	Mar. 26, 1958	46.2

Table 2.--Water levels and artesian pressures in observation wells in Pavant Valley - Continued

(C-19-4)30dab-1 - Continued

Dec.	11, 1958	2/-46.1	June	1, 1960	1/-98.2	Mar.	22, 1961	-49.5
Mar.	24, 1959	46.1	July	29	1/108.7	May	10	1/108.6
Dec.	8	47.6	Aug.	29	1/110.2	June	29	56.3
Feb.	5, 1960	47.6	Dec.	13	49.7	Mar.	16, 1962	52.0
Apr.	6	1/93.2						

(C-19-4)31bcc-1. Records available 1936-62

Mar.	23, 1956	- 6.2	Mar.	24, 1959	- 9.0	July	7, 1960	-14.9
Oct.	9	7.9	Dec.	8	10.6	Nov.	18	12.6
Dec.	7	7.5	Feb.	5, 1960	10.6	Dec.	13	12.4
Mar.	20, 1957	7.6	Mar.	5	10.6	Jan.	3, 1961	12.4
Dec.	5	8.6	Mar.	29	11.5	Mar.	22	12.4
Mar.	26, 1958	8.8	May	10	12.8	Sept.	28	16.2
Dec.	11	9.3	June	1	13.9	Mar.	16, 1962	14.4

(C-19-4)31dbb-1. Records available 1960-62

July	7, 1960	-34.1	Aug.	29, 1960	1/-116.0	Apr.	30, 1962	-36.0
July	14	1/124.4	Mar.	22, 1961	31.7	Sept.	25	39.8
July	29	1/118.0	Mar.	16, 1962	34.0			

(C-19-4)32acc-1. Records available 1946, 1960-62

July	19, 1946	-70	June	1, 1960	-77.3	Dec.	13, 1960	-79.1
Feb.	5, 1960	76.2	July	7	77.9	Jan.	1, 1961	79.0
Mar.	5	76.2	July	29	80.4	Mar.	20	78.8
Mar.	29	76.5	Aug.	30	80.0	Mar.	16, 1962	82.2
May	10	77.1	Nov.	17	79.2			

(C-19-5)2aad-1. Records available 1960-62

Apr.	5, 1960	-105.7	Oct.	4, 1960	-109.3	May	9, 1961	1/110.2
June	13	107.7	Dec.	14	108.0	June	29	1/134.5
July	12	108.7	Mar.	20, 1961	107.5	Mar.	16, 1962	111.4
Aug.	29	110.1						

(C-19-5)3aaa-1. Records available 1960-62

Feb.	4, 1960	-48.0	Aug.	10, 1960	1/-110.3	May	9, 1961	1/-119.9
Apr.	5	49.5	Aug.	29	1/114.0	June	29	1/120.5
Apr.	19	1/111.9	Oct.	4	53.8	Aug.	28	1/121.2
June	13	1/105.8	Dec.	14	50.9	Mar.	16, 1962	53.5
July	12	1/112.4	Mar.	20, 1961	50.5	Apr.	30	1/118.9

(C-19-5)4dda-1. Records available 1936-62

Sept.	21, 1936	-33.3	Dec.	2, 1942	-31.2	Dec.	3, 1951	-25.0
Nov.	13	33.3	Feb.	5, 1943	31.0	Apr.	2, 1952	24.7
Feb.	12, 1937	33.2	Mar.	3	30.9	July	9	3/25.9
Mar.	25	32.9	July	21	30.5	Nov.	24	25.0
May	18	33.1	Sept.	21	30.4	Mar.	25, 1953	24.6
Aug.	25	33.3	Dec.	2	30.2	Dec.	3	24.8
Oct.	3	33.3	Mar.	9, 1944	30.0	Apr.	7, 1954	24.7
Nov.	5	33.3	May	26	29.8	Dec.	1	25.3
Nov.	29	33.3	July	28	29.4	Mar.	29, 1955	25.0
Feb.	16, 1938	33.2	Nov.	16	28.8	Dec.	7	25.8
Apr.	22	33.2	Apr.	11, 1945	28.4	Mar.	23, 1956	25.6
June	30	33.4	July	10	28.3	Oct.	9	28.3
Aug.	31	33.4	Nov.	29	27.9	Dec.	7	27.0
Oct.	27	33.4	Mar.	13, 1946	27.7	Mar.	20, 1957	26.9
Dec.	15	33.2	Dec.	7	26.5	Dec.	5	27.6
Feb.	22, 1939	33.2	Mar.	18, 1947	26.3	Mar.	26, 1958	28.1
Apr.	19	33.1	Dec.	5	25.7	Dec.	11	29.3
June	9	33.1	Mar.	9, 1948	25.6	Mar.	24, 1959	28.9
Aug.	11	33.4	July	12	25.2	Nov.	6	30.6
Oct.	17	33.3	Nov.	30	24.6	Dec.	8	30.4
Dec.	19	33.3	Feb.	24, 1949	24.5	Feb.	3, 1960	29.2
Feb.	12, 1940	33.2	Mar.	29	24.5	Mar.	5	30.2
Apr.	29	33.1	Dec.	5	23.9	June	13	32.0
Dec.	10	33.1	Mar.	20, 1950	23.9	Aug.	29	32.8
Mar.	25, 1941	32.9	Dec.	5	24.0	Dec.	14	31.4
Nov.	27	32.6	Mar.	20, 1951	24.0	Mar.	21, 1961	31.1
Mar.	12, 1942	32.2	June	7	25.9	Mar.	20, 1962	31.9
July	21	31.9	Nov.	6	25.2			

(C-19-5)4ddd-1. Records available 1950, 1954-62

Dec.	5, 1950	-25.5	Oct.	9, 1956	-26.9	Dec.	11, 1958	-28.5
Dec.	1, 1954	24.6	Dec.	7	26.2	Mar.	24, 1959	28.0
Mar.	29, 1955	24.5	Mar.	20, 1957	26.0	Nov.	6	30.0
Dec.	7	25.4	June	18	29.0	Dec.	8	29.5
Mar.	23, 1956	24.8	Dec.	5	27.4	Feb.	4, 1960	29.2
June	5	27.7	Mar.	26, 1958	27.2	Mar.	5	29.0

(C-19-5)4ddd-1 - Continued. Water level at noon on last day of each month to Jan. 1, 1962, after which highest water level on last day of each month, in feet below land surface from recorder graph.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1960			29.0	33.9	34.5	34.9	35.3	35.9	33.3	31.4	30.9	30.7
1961	30.5	30.4	30.3	34.9	36.0	36.4	35.7	37.4	33.8	32.4	32.0	31.8
1962	31.6	-	31.0	35.5	34.9	36.8	37.5	38.7	34.6	33.0	32.5	32.2

(C-19-5)36baa-1. Records available 1951-53, 1956-62

Mar.	20, 1951	1.0	Feb.	23, 1956	- 1.2	Dec.	8, 1959	- 5.6
June	8	1/83.0	Oct.	9	3.6	Feb.	16, 1960	5.5
July	4	5.6	Dec.	7	2.5	Apr.	6	8.2
Aug.	15	7.2	Mar.	20, 1957	2.5	Apr.	19	1/86.7
Nov.	6	3.0	Dec.	5	3.6	Aug.	31	1/87.5
Dec.	3	2.5	Mar.	26, 1958	3.3	Dec.	13	7.0
Apr.	2, 1952	2.6	Dec.	11	4.2	Mar.	22, 1961	6.8
Dec.	1	1.1	Mar.	24, 1959	2.0	Mar.	19, 1962	9.1
Mar.	10, 1953	.7						

(C-20-4)4dab-1. Records available 1960-62

Dec.	13, 1960	-100.0	Mar.	16, 1962	-109.1	June	20, 1962	-110.5
Mar.	20, 1961	101.9	Apr.	30	109.7	Sept.	25	110.9
Sept.	28	105.9						

(C-20-4)5cca-1. Records available 1957-62

Dec.	5, 1957	-41.5	Mar.	24, 1959	-42.3	Aug.	30, 1960	1/-100.4
Mar.	26, 1958	41.8	Dec.	9	43.8	Dec.	13	46.4
Oct.	10	42.9	Feb.	5, 1960	43.8	Mar.	22, 1961	46.3
Dec.	11	42.4	May	10	1/98.3	Mar.	16, 1962	49.3

(C-20-4)18cab-1. Records available 1948-50, 1960-62

July	12, 1948	-45.1	Dec.	5, 1949	-43.2	Aug.	30, 1960	-47.0
Dec.	1	44.2	Mar.	20, 1950	43.9	Mar.	22, 1961	48.5
Mar.	29, 1949	44.7	Feb.	8, 1960	46.4	Mar.	16, 1962	49.6

(C-20-5)13daa-1. Records available 1937-62

Mar.	23, 1956	-36.0	Mar.	29, 1960	-39.9	Mar.	22, 1961	-41.5
Sept.	28	36.2	Apr.	6	40.0	May	1	41.7
Dec.	7	35.7	May	10	40.1	May	10	41.8
Mar.	20, 1957	37.2	June	1	38.0	Sept.	28	42.3
Dec.	5	38.0	July	7	39.3	Mar.	20, 1962	43.1
Mar.	26, 1958	38.5	Aug.	10	40.0	May	2	43.3
Dec.	11	37.9	Aug.	30	40.3	June	29	42.4
Dec.	9, 1959	39.4	Nov.	17	40.8	Aug.	20	42.6
Feb.	11, 1960	39.7	Dec.	13	40.9	Sept.	25	43.2
Mar.	10	39.9	Jan.	3, 1961	41.1			

(C-20-5)22bcc-1. Records available 1936-62

Mar.	23, 1956	4/+13.2	Mar.	24, 1959	4/+10.8	Mar.	22, 1961	4/+ 7.9
Dec.	7	4/9.0	Dec.	9	4/8.5	Sept.	28	4/2.9
Mar.	20, 1957	4/9.5	Mar.	4, 1960	4/8.2	Mar.	19, 1962	4/4.3
Dec.	5	4/8.6	July	12	4/8.8	June	29	4/+ .1
Mar.	26, 1958	4/9.6	Aug.	31	4/8.1	Aug.	29	- 4.1
Dec.	11	4/10.1	Dec.	14	4/7.8			

(C-20-5)24bad-2. Records available 1952-62

Dec.	1, 1952	-31.9	Mar.	23, 1956	-35.8	Feb.	11, 1960	-40.1
Mar.	10, 1953	34.0	Dec.	7	36.8	June	1	41.0
Dec.	3	33.0	Mar.	20, 1957	37.4	July	7	1/5/96.0
Apr.	7, 1954	34.6	Mar.	26, 1958	38.4	Aug.	30	40.4
Dec.	1	33.8	Dec.	11	38.3	Dec.	13	41.6
Mar.	29, 1955	35.0	Mar.	24, 1959	38.8	Mar.	22, 1961	42.3
Dec.	6	34.6	Dec.	9	39.6	Mar.	16, 1962	45.5

(C-20-5)26ddd-1. Records available 1952-62

July	9, 1952	-59.0	Dec.	6, 1956	2/-65.4	Dec.	11, 1958	-67.5
Sept.	9	58.6	Mar.	23, 1956	67.0	Mar.	24, 1959	68.4
Dec.	1	58.6	Oct.	9	68.4	Dec.	9	70.2
Mar.	10, 1953	60.2	Dec.	7	68.6	Feb.	8, 1960	71.3
Dec.	3	58.3	Mar.	20, 1957	69.2	Dec.	13	75.6
Apr.	7, 1954	60.6	Dec.	5	66.7	Mar.	22, 1961	75.7
Dec.	1	62.8	Mar.	26, 1958	68.0	Mar.	16, 1962	80.0
Mar.	29, 1955	63.5	Oct.	10	66.8			

(C-21-5)4ccd-1. Records available 1941-45, 1960-61

Apr.	9, 1941	-26.6*	Aug.	11, 1943	-24.6	Nov.	17, 1944	-23.2
May	20	27.4*	Sept.	21	24.5	Feb.	27, 1945	22.8
Dec.	29, 1942	24.1	Oct.	28	24.3	Apr.	12	22.8
Feb.	5, 1943	24.1	Dec.	3	24.2	May	22	23.5
Mar.	1	24.0	Mar.	9, 1944	24.2	July	7	23.4
Mar.	16	24.1	May	26	24.8	Nov.	29	22.0
Mar.	29	24.0	June	15	24.6	Feb.	17, 1960	35.2
Apr.	9	24.2	July	24	24.2	Sept.	1	53.1
June	3	24.7	Sept.	21	23.6	Mar.	23, 1961	41.6
July	21	24.6	Oct.	7	23.6			

(C-21-5)6cac-1. Records available 1957-62

Mar.	19, 1957	-40.0	Mar.	25, 1959	-39.9	Mar.	19, 1962	-41.8
Aug.	2	40.7	May	27	46.2	July	20	48.4
Sept.	6	40.8	Dec.	15	40.8	Aug.	29	47.3
Dec.	5	39.1	Feb.	17, 1960	40.7	Oct.	29	43.0
Mar.	26, 1958	39.4	Apr.	6	41.0	Nov.	26	42.1
July	31	43.5	Dec.	15	41.6	Dec.	21	41.8
Dec.	11	39.9	Mar.	23, 1961	41.4			

(C-21-5)6dba-1. Records available 1937-38, 1940-41, 1943-45, 1952-62

Oct.	21, 1937	+13.4*	Feb.	27, 1945	+18.0	Mar.	26, 1958	+ 6.7
July	7, 1938	13.0*	Apr.	12	20.1	July	31	- 2.8
Jan.	6, 1940	14.1*	Apr.	25	19.8	Oct.	10	- 3.0
Feb.	16	15.3*	July	6	17.9	Dec.	11	+ 3.1
Mar.	18	16.2*	Aug.	14	17.3	Mar.	24, 1959	+ 5.2
Jan.	20, 1941	15.9*	Nov.	29	19.0	May	27	-24.0
Apr.	9	16.6*	Mar.	31, 1952	11.6	Dec.	9	5.1
May	16	16.1*	Dec.	2	13.7	Feb.	17, 1960	1.0
Mar.	1, 1943	18.2	Mar.	11, 1953	12.0	Mar.	8	.4
Mar.	16	18.3	Dec.	3	10.4	May	31	38.0
Mar.	27	18.2	Apr.	7, 1954	11.0	June	28	46.7
Apr.	15	18.1	Dec.	2	9.6	Aug.	5	44.6
May	31	16.7	Mar.	28, 1955	12.3	Sept.	1	46.0
July	20	16.4	Dec.	6	7.5	Oct.	4	26.8
Aug.	20	16.5	Mar.	23, 1956	+10.8	Nov.	30	11.2
Sept.	21	15.6	June	5	- 3.6	Dec.	15	9.4
Oct.	28	16.5	July	16	10.4	Jan.	3, 1961	7.8
Dec.	3	17.6	Aug.	28	15.0	Mar.	23	3.8
Mar.	9, 1944	17.9	Oct.	9	- 4.0	June	14	45.7
May	26	17.4	Dec.	6	+ 4.4	Aug.	8	54.2
June	15	17.5	Mar.	20, 1957	7.2	Mar.	19, 1962	6.0
July	24	16.4	June	18	+ 5.6	May	2	5.9
Sept.	21	16.5	Sept.	6	- 4.6	June	20	11.6
Oct.	7	16.4	Dec.	5	+ 5.1	July	20	42.6
Nov.	17	17.8						

Table 2.--Water levels and artesian pressures in observation wells in Pavant Valley - Continued

(C-21-5)7cdd-2. Records available 1953-62

Dec. 3, 1953	-40.8	July 28, 1958	1/-62.0	Dec. 15, 1960	-48.1
Apr. 7, 1954	42.1	Oct. 9	48.0	Mar. 23, 1961	47.9
Dec. 3	43.4	Dec. 11	46.2	May 25	3/56.4
Mar. 28, 1955	43.8	Mar. 24, 1959	46.0	Aug. 8	54.7
Dec. 6	44.3	Apr. 27	53.3	Sept. 28	51.9
Mar. 23, 1956	44.6	Dec. 9	47.2	Mar. 19, 1962	48.3
June 5	49.8	Feb. 17, 1960	47.1	Mar. 28	48.3
Sept. 28	50.3	Apr. 6	47.3	May 2	3/50.9
Oct. 9	48.7	Apr. 7	47.4	June 20	3/52.0
Dec. 6	46.7	Apr. 8	3/48.4	July 20	3/56.8
Mar. 20, 1957	46.5	June 28	3/56.0	Aug. 29	3/55.1
Aug. 2	47.2	July 20	3/57.3	Sept. 25	51.7
Oct. 11	46.1	Aug. 10	3/55.0	Oct. 29	49.5
Dec. 5	45.4	Sept. 1	3/56.7	Nov. 26	48.6
Mar. 26, 1958	45.8	Nov. 30	48.2	Dec. 21	48.3

(C-21-5)7ddc-1. Records available 1944-45, 1952-54, 1956-62

Sept. 21, 1944	4/+ 9.8	Dec. 3, 1953	+ 6.5	Dec. 5, 1957	+ 1.0
Nov. 17	4/13.0	Apr. 7, 1954	4/7.8	July 28, 1958	-16.3
Nov. 21	4/13.8	Dec. 3	4/+ 5.7	Oct. 9	12.2
Feb. 27, 1945	4/13.2	June 5, 1956	-21.2	Mar. 24, 1959	2.2
Apr. 12	15.1	June 21	21.7	May 27	51.6
Apr. 25	12.7	July 16	23.5	Dec. 9	11.4
July 10	10.6	Aug. 28	32.8	Feb. 17, 1960	8.8
Aug. 14	4/10.7	Sept. 28	-22.0	Sept. 2	72.6
Nov. 29	4/14.9	Dec. 6	+ .8	Dec. 15	16.2
Mar. 31, 1952	2/4/5.0	Aug. 2, 1957	-15.1	Mar. 23, 1961	12.2
Dec. 2	4.6	Sept. 6	-13.5	Mar. 19, 1962	15.2
Mar. 11, 1953	4.9				

(C-21-5)15dbb-1. Records available 1937, 1943-45, 1960-62

Oct. 28, 1937	-47.4*	Mar. 9, 1944	-46.1	May 22, 1945	-40.8
Mar. 19, 1943	40.3	May 26	46.1	June 10	40.6
Mar. 29	40.4	June 15	44.6	July 7	39.8
Apr. 9	42.1	July 24	44.3	Aug. 14	39.4
June 3	45.1	Sept. 21	44.1	Nov. 29	37.7
July 21	46.9	Oct. 7	44.0	Feb. 17, 1960	63.4
Aug. 11	47.5	Nov. 14	42.1	Sept. 1	83.1
Sept. 23	48.8	Feb. 27, 1945	39.6	Mar. 23, 1961	71.4
Oct. 28	48.4	Apr. 12	40.0	Mar. 19, 1962	79.8
Dec. 3	47.3	Apr. 25	40.6		

(C-21-5)18ada-2. Records available 1955-62

Mar. 28, 1955	-53.5	July 28, 1958	1/-63.5	Mar. 23, 1961	-58.2
Dec. 6	54.6	July 31	1/78.1	Mar. 20, 1962	58.8
Mar. 23, 1956	54.9	Oct. 9	57.4	May 2	1/70.8
June 5	61.6	Dec. 11	56.2	June 20	1/66.0
Oct. 9	58.2	Mar. 24, 1959	56.3	July 20	63.6
Dec. 6	56.7	May 25	1/76.5	Aug. 29	60.3
Mar. 19, 1957	56.6	Dec. 9	56.8	Sept. 25	59.7
June 18	56.0	Mar. 9, 1960	57.5	Oct. 29	58.7
Oct. 11	56.0	Apr. 7	1/66.4	Nov. 26	58.7
Dec. 5	55.5	Sept. 2	1/76.4	Dec. 21	58.8
Mar. 26, 1958	56.3	Dec. 15	58.1		

(C-21-5)20bba-2. Records available 1953-54, 1956-62

Dec. 23, 1953	+51.6	Mar. 19, 1957	+40.4	Mar. 9, 1960	+33.6
Mar. 22, 1954	51.6	Dec. 5	39.8	Dec. 15	22.4
Dec. 2	47.8	Mar. 26, 1958	44.0	Mar. 23, 1961	26.3
Mar. 23, 1956	44.4	Dec. 11, 1959	2/30.9	Mar. 20, 1962	15.9

(C-21-5)20cca-2. Records available 1953-54, 1956-62

Dec. 23, 1953	+58.5	Mar. 19, 1957	+47.1	Dec. 11, 1959	5/+29.9
Mar. 29, 1954	59.4	Oct. 11	30.0	Mar. 11, 1960	37.9
Dec. 2	54.4	Mar. 26, 1958	49.9	Dec. 15	24.9
Mar. 23, 1956	51.4	Oct. 9	28.9	Mar. 24, 1961	28.8
Sept. 28	31.3	Dec. 13	4/43.5	Mar. 20, 1962	4/21.2
Dec. 6	43.4	Mar. 25, 1959	47.0		

(C-21-5)21aba-1. Water level at noon on last day of each month to Jan. 1, 1962, after which highest water level on last day of each month, in feet below land surface from recorder graph. Records available 1929-62

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1956	14.3	13.6	16.8	25.4	28.7	29.5	30.8	32.1	30.2	25.0	23.5	20.5
1957	20.2	19.2	20.7	28.6	31.2	31.0	33.5	32.6	31.0	25.9	21.7	19.3
1958	17.6	16.4	17.1	28.4	30.1	30.2	34.9	33.6	33.3	26.6	23.3	21.7
1959	19.7	19.4	20.9	34.5	37.7	35.0	37.4	36.9	38.7	34.7	31.0	29.1
1960	28.0	27.6	27.9	44.9	51.9	56.5	52.4	56.2	53.6	43.7	40.6	39.2
1961	37.9	36.0	35.6	49.5	56.1	55.7	53.9	57.3	54.1	46.1	44.9	44.5
1962	44.4	43.7	41.7	49.5	54.0	57.6	-	59.6	50.9	46.6	46.5	46.5
	7/											

(C-21-5)28aaa-1. Records available 1956-62

Dec. 6, 1956	-31.4	Oct. 9, 1958	-41.1	Mar. 8, 1960	-36.8
Mar. 19, 1957	27.8	Dec. 13	32.0	Sept. 3	1/83.8
Oct. 11	2/39.5	Mar. 25, 1959	28.0	Dec. 15	50.3
Dec. 5	30.8	May 25	45.3	Mar. 24, 1961	44.4
Mar. 26, 1958	25.7	Dec. 17	39.5	Mar. 20, 1962	51.4
July 29	1/80.5				

(C-21-5)33dcc-1. Records available 1935-45, 1954, 1956-61

Sept. 26, 1935	-12.6	Nov. 14, 1936	- 5.3	Feb. 17, 1938	2/- 0.7
Oct. 16	9.5	Feb. 12, 1937	1.9	Apr. 21	2/6.3
Nov. 28	6.4	Mar. 26	2.0	June 30	7.9
Feb. 4, 1936	4.4	May 18	7.7	Oct. 27	4.4
Apr. 15	8.7	Aug. 3	9.0	Dec. 16	2.4
June 14	10.5	Oct. 3	7.7	Feb. 22, 1939	2/- .6
July 30	11.1	Nov. 5	4.5	Apr. 19	2/5.7
Sept. 21	10.7	Nov. 29	3.0	Oct. 17	6.6

(C-21-5)33dcc-1 - Continued

Dec. 19, 1939	- 3.5	July 23, 1943	- 6.6	Apr. 12, 1945	+ 1.3
Feb. 12, 1940	1.9*	Aug. 17	7.1	Aug. 20	- 4.3
Apr. 1	2.9*	Sept. 29	7.9	Nov. 30	+ 3.2
May 1	7.9*	Oct. 30	4.5	Mar. 24, 1954	- 4.3
June 13	9.0	Dec. 3	2.5	Dec. 6, 1956	12.7
Dec. 10	2/3.5	Mar. 10, 1944	.8	Mar. 19, 1957	10.1
Mar. 25, 1941	1.2	May 25	6.8	Mar. 25, 1958	2/7.0
Sept. 24	- 8.9	June 20	8.0	Dec. 13	14.0
Nov. 28	- 2.5	July 24	6.8	Dec. 11, 1959	21.3
Mar. 13, 1942	+ .3	Sept. 20	6.9	Mar. 17, 1960	18.1
July 22	- 6.3	Oct. 8	7.2	Sept. 5	46.2
Dec. 3	+ .9	Nov. 15	- .8	Dec. 15	31.1
Dec. 29	+ 1.4	Feb. 28, 1945	+ 1.6	Mar. 24, 1961	25.6
May 31, 1943	- 5.1				

(C-21-5)33dcc-2. Records available 1956-62

Dec. 6, 1956	-16.1	Mar. 26, 1958	-12.0	May 3, 1960	1/-50.6
Mar. 19, 1957	13.4	Dec. 13	17.5	Sept. 5	49.5
June 17	25.0	Mar. 25, 1959	14.3	Dec. 15	34.6
Sept. 5	1/45.0	May 27	1/45.5	Mar. 24, 1961	29.2
Oct. 11	23.3	Dec. 11	24.8	Mar. 20, 1962	36.0
Dec. 5	16.4	Mar. 17, 1960	21.6		

(C-21-5)34baa-1. Water level at noon on last day of each month to Jan. 1, 1962, after which highest water level on last day of each month, in feet below land surface from recorder graph. Records available 1942-62

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1956	-	-	42.6	-	54.3	55.2	57.7	56.7	56.4	53.2	50.8	49.1
1957	-	47.4	47.6	54.1	56.2	58.3	59.0	58.8	58.8	54.1	50.7	48.4
1958	-	-	45.3	52.5	56.4	57.0	60.4	61.2	59.7	55.4	52.1	50.2
1959	48.9	48.0	49.3	60.2	63.7	-	70.1	71.4	68.1	-	60.1	57.6
1960	57.4	56.0	56.3	68.5	74.3	79.0	84.8	86.7	81.4	75.4	71.0	68.1
1961	66.1	64.8	64.2	77.5	85.3	88.9	93.7	95.4	88.2	81.6	77.8	75.3
1962	73.2	71.4	70.3	77.9	6/8/							

(C-21-6)1ddb-1. Records available 1957-62

Mar. 19, 1957	-51.5	Apr. 6, 1960	1/-54.1	Aug. 29, 1962	-56.9
Dec. 5	50.1	May 31	1/60.3	Sept. 25	56.0
Mar. 26, 1958	50.4	Dec. 15	2/52.4	Oct. 29	54.0
Dec. 11	50.8	Mar. 23, 1961	52.4	Nov. 26	53.0
Dec. 9, 1959	52.4	Mar. 19, 1962	52.6	Dec. 21	52.7
Feb. 17, 1960	51.9				

(C-22-5)3baa-1. Records available 1951-62

July 4, 1951	-52.0	Mar. 28, 1955	-49.7	June 24, 1958	-68.7
Nov. 7	50.8	Nov. 29	57.2	July 30	73.2
Dec. 4	49.6	Mar. 22, 1956	54.0	Oct. 9	70.1
Apr. 1, 1952	48.2	June 4	1/80.5	Dec. 13	63.6
July 10	53.0	Aug. 28	68.0	Mar. 25, 1959	59.9
Sept. 9	53.0	Sept. 27	66.9	May 25	74.8
Dec. 2	46.5	Dec. 6	62.0	Dec. 10	71.1
Mar. 11, 1953	43.6	Mar. 19, 1957	59.0	Mar. 12, 1960	67.7
Aug. 4	1/68.5	June 17	68.6	Sept. 5	95.1
Aug. 14	52.2	Oct. 11	68.8	Dec. 15	81.2
Dec. 3	47.1	Dec. 5	62.4	Mar. 24, 1961	75.5
Mar. 24, 1954	44.3	Mar. 26, 1958	57.6	Mar. 20, 1962	82.5
Dec. 2	52.1				

(C-22-5)4dca-1. Records available 1951-52, 1960-62

Mar. 21, 1951	- 6.3	Sept. 10, 1952	1/-38.2	Sept. 6, 1960	1/-72.4
Nov. 7	14.6	Mar. 16, 1960	31.1	Mar. 24, 1961	38.7
Apr. 1, 1952	12.3	Mar. 30	1/57.0	May 23	1/75.2
July 10	1/38.5	May 3	1/67.0	Mar. 22, 1962	45.5

(C-22-5)9bba-1. Records available 1956-62

June 5, 1956	- 8.0	Dec. 5, 1957	- 6.9	Mar. 16, 1960	-11.7
Aug. 28	11.0	Mar. 26, 1958	2.8	May 3	1/82.6
Dec. 6	6.6	Dec. 13	8.8	Sept. 6	34.0
Mar. 19, 1957	3.6	Mar. 26, 1959	5.5	Dec. 15	20.6
June 18	10.2	May 27	18.7	Mar. 24, 1961	16.8
Sept. 5	10.8	Dec. 11	15.3	Mar. 20, 1962	22.1

(C-22-5)9cad-2. Records available 1951-62

June 8, 1951	- 8.2	Nov. 29, 1955	-17.7	July 30, 1958	1/-117.5
July 4	1/148.2	Mar. 22, 1956	15.8	Oct. 9	21.1
Nov. 7	10.1	June 5	21.6	Dec. 13	18.7
Apr. 1, 1952	8.2	Aug. 28	22.6	Mar. 25, 1959	15.0
Sept. 9	9.5	Sept. 27	22.2	Dec. 11	24.8
Dec. 2	8.3	Dec. 6	21.5	Mar. 16, 1960	22.6
Mar. 11, 1953	6.4	Mar. 19, 1957	2/18.6	Apr. 8	1/103.6
Aug. 14	4/28.2	Sept. 5	1/93.5	Sept. 6	1/112.9
Dec. 3	11.2	Oct. 11	20.4	Dec. 15	32.3
Mar. 24, 1954	8.0	Dec. 5	17.0	Mar. 24, 1961	28.0
Dec. 2	14.4	Mar. 26, 1958	13.5	Mar. 20, 1962	34.8
Mar. 28, 1955	12.3				

(C-22-5)17bdd-1. Records available 1935-51, 1953, 1958-61

Aug. 7, 1935	4/+15.6	Mar. 26, 1937	+26.6	Dec. 16, 1938	4/+26.3
Sept. 18	4/15.8	May 18	17.3	Feb. 22, 1939	28.4
Oct. 16	4/15.7	Aug. 3	17.9	Apr. 19	4/23.2
Nov. 28	22.5	Oct. 3	21.4	June 9	4/17.7
Feb. 4, 1936	25.0	Nov. 5	4/20.8	Aug. 12	4/16.5
Apr. 15	24.4	Nov. 29	24.8	Oct. 17	20.7
June 14	4/16.0	Feb. 17, 1938	27.8	Dec. 19	25.5
July 30	16.6	Apr. 21	25.4	Jan. 3, 1940	25.5*
Sept. 21	16.2	June 30	21.4	Feb. 12	26.5*
Nov. 14	25.4	Aug. 26	4/17.9	Mar. 13	27.2*
Feb. 12, 1937	26.1	Oct. 27	4/20.8	Apr. 1	27.8*

Table 2.--Water levels and artesian pressures in observation wells in Pavant Valley - Continued

(C-22-5)17bdd-1 - Continued

May 1, 1940	4/+22.8*	Aug. 18, 1943	4/+20.6	Dec. 5, 1947	2/+32.6			
June 13	4/18.8	Sept. 29	4/20.4	Mar. 9, 1948	4/30.7			
Dec. 10	28.6	Oct. 30	24.2	Dec. 1	35.7			
Jan. 14, 1941	29.3*	Nov. 17	27.7	Dec. 6, 1949	34.3			
Jan. 31	29.3*	June 16, 1944	4/22.0	Mar. 21, 1950	35.6			
Mar. 4	29.8*	July 24	4/21.8	Dec. 5	32.7			
Mar. 26	29.8*	Sept. 20	24.5	Mar. 21, 1951	33.5			
Sept. 24	21.9	Oct. 8	4/22.7	Dec. 5, 1953	23.1			
Nov. 28	28.2	Nov. 18	4/26.8	Mar. 25, 1958	4/23.6			
July 22, 1942	5/22.4	Feb. 28, 1945	25.7	Dec. 13	20.9			
Dec. 3	29.5	Apr. 13	30.8	Mar. 25, 1959	24.5			
Feb. 2, 1943	30.7	Apr. 25	31.5	Dec. 14	13.2			
Mar. 6	31.0	July 11	4/23.9	Mar. 16, 1960	+17.2			
Mar. 19	31.5	Aug. 20	4/25.8	July 8	- 2.8			
Mar. 27	31.6	Nov. 29	31.9	Aug. 5	- 8.2			
Apr. 17	26.0	Mar. 13, 1946	32.1	Dec. 15	+13.7			
June 9	22.4	Dec. 8	5/29.0	Mar. 29, 1961	+14.4			
July 20	4/20.5	Mar. 19, 1947	5/31.2	Aug. 8	- 9.9			

(C-22-5)21dda-1. Records available 1950-53, 1956-62

Sept. 25, 1950	-40.5	Dec. 3, 1953	-45.4	Mar. 25, 1959	-53.0
Dec. 5	43.2	Mar. 22, 1956	53.3	Dec. 14	59.8
Mar. 21, 1951	44.8	Dec. 6	56.0	Mar. 15, 1960	60.2
Apr. 1, 1952	49.6	Dec. 5, 1957	48.5	Sept. 7	67.2
July 10	42.2	Mar. 25, 1958	51.5	Dec. 15	63.6
Dec. 2	43.0	Oct. 9	51.6	Mar. 30, 1961	63.5
Mar. 11, 1953	44.4	Dec. 13	51.6	Mar. 20, 1962	67.3
Aug. 4	50.0				

(C-22-5)28bcc-1. Records available 1943-54, 1956-62

Feb. 3, 1943	-18.0	Apr. 14, 1945	-15.2	Dec. 2, 1952	-13.6
Mar. 6	18.0	June 9	7.4	Mar. 11, 1953	13.9
Mar. 27	17.9	July 12	9.0	Dec. 3	15.2
Apr. 17	17.9	Aug. 21	11.3	Dec. 2, 1954	18.0
June 3	18.0	Dec. 1	12.7	Mar. 22, 1956	19.4
July 21	20.3	Mar. 13, 1946	12.6	Dec. 6	22.0
Aug. 12	19.3	Dec. 8	14.3	Mar. 19, 1957	22.5
Sept. 23	19.3	Mar. 19, 1947	13.6	Dec. 5	18.8
Nov. 16	20.2	Dec. 5	11.7	Mar. 25, 1958	19.2
Dec. 4	20.1	Mar. 9, 1948	10.8	Dec. 13	20.4
Mar. 11, 1944	19.9	Dec. 1	11.2	Mar. 25, 1959	20.6
May 25	6.5	Mar. 30, 1949	10.1	Dec. 14	24.0
June 16	8.6	Dec. 6	13.1	Mar. 15, 1960	24.4
July 24	10.2	Mar. 21, 1950	12.0	Sept. 7	25.8
Sept. 20	13.6	Dec. 5	14.3	Dec. 15	26.7
Oct. 9	14.1	Mar. 21, 1951	14.2	Mar. 29, 1961	27.7
Nov. 17	14.6	Dec. 4	16.2	Mar. 22, 1962	29.9
Feb. 28, 1945	15.1	Apr. 1, 1952	16.7		

(C-22-5)28dbd-1. Records available 1943-62

Mar. 22, 1956	-42.4	Oct. 9, 1958	-42.4	Mar. 29, 1961	-52.7
June 5	43.8	Dec. 13	42.9	Sept. 28	60.4
Dec. 6	45.7	Mar. 27, 1959	43.0	Mar. 22, 1962	57.9
Mar. 19, 1957	46.2	Dec. 14	48.6	Apr. 30	57.8
Oct. 11	41.6	Mar. 15, 1960	48.7	June 29	56.4
Dec. 5	42.2	Sept. 7	54.2	Aug. 20	59.4
Mar. 25, 1958	42.4	Dec. 15	53.2	Sept. 25	59.2
July 29	40.7				

(C-22-5)29cda-1. Records available 1940-41, 1943-62

Aug. 2, 1940	-13.2*	Apr. 14, 1945	- 7.4	Dec. 2, 1954	-10.0
Sept. 4	13.7*	June 9	4.8	Mar. 28, 1955	7.7
Apr. 19, 1941	11.5*	July 12	5.3	Nov. 29	11.4
May 28	10.4*	Aug. 21	6.5	Mar. 22, 1956	10.8
Feb. 3, 1943	9.9	Dec. 1	6.4	June 5	12.2
Mar. 6	8.5	Mar. 13, 1946	5.0	Aug. 28	15.0
Mar. 29	8.2	Dec. 8	6.5	Dec. 6	14.2
Apr. 17	8.3	Mar. 19, 1947	4.7	Mar. 19, 1957	13.9
June 3	9.0	Dec. 5	5.7	Dec. 5	13.0
July 21	10.1	Dec. 1, 1948	5.6	Mar. 24, 1958	12.6
Aug. 12	10.5	Mar. 30, 1949	1.5	July 29	14.7
Sept. 13	11.1	Dec. 6	6.2	Oct. 9	14.6
Nov. 16	10.7	Mar. 21, 1950	3.5	Dec. 13	13.5
Dec. 4	10.5	Dec. 5	6.8	Mar. 25, 1959	12.1
Mar. 11, 1944	10.0	Mar. 21, 1951	5.6	Dec. 14	15.9
May 25	6.2	Dec. 4	8.9	Mar. 15, 1960	15.7
June 16	6.2	Apr. 1, 1952	6.9	Sept. 7	18.8
July 24	7.7	July 10	6.3	Dec. 15	19.4
Sept. 20	9.4	Dec. 2	7.5	Mar. 29, 1961	19.1
Oct. 9	9.5	Mar. 11, 1953	5.2	May 10	21.4
Nov. 18	9.1	Dec. 3	7.8	Mar. 22, 1962	22.5

(C-22-5)33cdd-1. Records available 1941, 1943-54, 1956-62

Mar. 6, 1941	-62.6*	Dec. 5, 1957	-63.0	Sept. 7, 1960	-80.4
June 3	63.9*	Mar. 25, 1958	61.6	Mar. 29, 1961	72.8
Mar. 22, 1956	62.2	Mar. 27, 1959	61.6	Sept. 28	81.9
Dec. 6	66.3	Dec. 17	68.9	Mar. 22, 1962	77.6
Mar. 18, 1957	66.1	Mar. 15, 1960	68.3		

(C-22-6)32dad-1. Records available 1957-62

June 19, 1957	-21.4	Oct. 7, 1958	-23.9	Mar. 16, 1960	-23.7
Sept. 3	22.6	Dec. 12	22.4	Sept. 8	28.8
Mar. 24, 1958	20.5	Apr. 23, 1959	25.6	Dec. 15	25.9
June 5	24.1	May 26	25.7	Mar. 29, 1961	25.6
July 30	25.8	Dec. 17	23.9	Mar. 22, 1962	26.7

(C-23-5)6daa-1. Records available 1943-53, 1955-62

Feb. 3, 1943	-46.2	July 12, 1945	-42.3	Dec. 2, 1952	-44.6
Mar. 6	46.3	Aug. 21	42.5	Mar. 11, 1953	44.0
Mar. 29	46.2	Dec. 1	42.7	Nov. 29, 1955	53.0
July 21	48.6	Mar. 13, 1946	42.7	Dec. 6, 1956	57.4
Aug. 20	49.1	Dec. 8	44.2	Mar. 17, 1957	57.1
Sept. 23	49.7	Mar. 19, 1947	43.9	Dec. 5	52.1
Nov. 17	50.3	Dec. 5	40.4	Mar. 25, 1958	50.8
Dec. 4	50.3	Mar. 9, 1948	40.2	Oct. 9	52.9
Mar. 11, 1944	51.0	Dec. 1	37.6	Dec. 13	52.5
May 25	47.5	Mar. 30, 1949	38.0	Mar. 27, 1959	51.1
June 16	45.8	Dec. 6	40.9	Dec. 14	58.7
July 24	46.3	Mar. 21, 1950	41.2	Mar. 15, 1960	58.3
Sept. 20	47.2	Dec. 5	44.1	Sept. 7	68.3
Oct. 9	47.3	Mar. 21, 1951	44.5	Dec. 15	63.5
Nov. 18	47.2	Apr. 1, 1952	46.7	Mar. 29, 1961	62.7
Apr. 14, 1945	46.5	July 10	44.1	Mar. 22, 1962	67.7
June 9	42.2				

(C-23-6)2dad-1. Records available 1958-62

Mar. 25, 1958	-49.3	May 25, 1959	-50.9	Sept. 7, 1960	-53.0
June 3	50.0	Dec. 14	52.3	Dec. 15	53.6
Oct. 9	51.0	Mar. 16, 1960	52.4	Mar. 29, 1961	53.8
Dec. 13	51.3	May 12	52.4	Mar. 22, 1962	55.0
Mar. 26, 1959	51.0	July 13	52.6		

(C-23-6)8bdb-1. Records available 1943-62

Dec. 6, 1956	-27.4	Dec. 17, 1959	-31.0	Mar. 29, 1961	-32.6
Mar. 19, 1957	26.5	Mar. 15, 1960	30.8	Aug. 8	37.1
Dec. 5	28.0	July 13	35.3	Sept. 28	35.2
Mar. 24, 1958	27.9	Aug. 5	35.6	Mar. 22, 1962	33.6
Oct. 8	30.7	Sept. 8	35.5	May 15	36.9
Dec. 13	29.6	Sept. 28	34.7	Sept. 25	36.6
Mar. 26, 1959	33.0	Dec. 15	33.0		

(C-23-6)9ccd-1. Records available 1950-53, 1958-62

Mar. 22, 1950	-30.2	Mar. 11, 1953	-30.1	Mar. 15, 1960	-36.2
Mar. 21, 1951	1/29.8	Oct. 9, 1958	35.2	May 9	1/47.4
June 9	1/37.4	Dec. 12	34.9	Sept. 8	1/47.1
Apr. 1, 1952	30.0	Mar. 27, 1959	34.7	Mar. 29, 1961	39.1
Dec. 2	30.3	Dec. 17	36.3	Mar. 22, 1962	40.2

(C-23-6)10bdd-1. Records available 1953-62

Aug. 4, 1953	-41.5	Dec. 2, 1954	-43.2	Dec. 6, 1956	-52.2
Dec. 4	40.7	Nov. 29, 1955	46.6	Mar. 19, 1957	51.8

(C-23-6)10bdd-1 - Continued. Water level at noon on last day of each month to Jan. 1, 1962, after which highest water level on last day of each month, in feet below land surface from recorder graph.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1957						55.1	58.2	58.9	-	57.0	56.1	55.5
1958	55.0	54.5	54.0	56.4	-	61.0	62.6	63.8	62.1	60.6	59.5	58.6
1959	57.9	57.4	56.9	59.6	64.1	65.7	67.9	68.4	68.4	66.8	66.0	64.9
1960	63.1	62.5	62.0	65.4	69.0	70.5	72.6	73.4	72.6	70.3	69.1	68.0
1961	67.2	66.6	66.1	67.9	72.6	74.0	76.1	-	76.2	73.6	72.1	71.0
1962	70.1	69.5	68.8	71.8	75.6	78.5	81.0	81.6	81.0	77.8	75.8	74.3

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(C-23-6)16bad-1. Records available 1956-62

Mar. 22, 1956	-34.4	Dec. 12, 1958	-41.6	May 9, 1960	1/-53.4
Dec. 6	37.2	Mar. 27, 1959	40.6	Sept. 8	1/54.6
Mar. 19, 1957	37.0	May 26	45.0	Dec. 15	46.7
Dec. 5	39.1	Dec. 17	43.9	Mar. 29, 1961	45.8
Mar. 25, 1958	38.3	Mar. 15, 1960	43.2	Mar. 22, 1962	47.3
Oct. 8	42.8				

(C-23-6)17cdc-1. Records available 1957-62

Mar. 19, 1957	-53.2	Oct. 8, 1958	-61.8	Mar. 15, 1960	-58.2
June 18	1/93.5	Dec. 13	57.7	Dec. 15	61.8
Oct. 10	53.6	May 26, 1959	1/106.1	Mar. 29, 1961	60.2
Dec. 5	53.4	Dec. 17	59.5	Mar. 22, 1962	61.6
Mar. 24, 1958	52.9				

(C-23-6)21cdd-1. Water level at noon on last day of each month to Jan. 1, 1962, after which highest water level on last day of each month, in feet below land surface from recorder graph. Records available 1958-62

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1958						106.4	108.6	109.9	110.9	109.6	108.5	107.4
1959	106.6	106.0	105.5	-	-	-	115.8	117.6	118.0	115.3	113.7	112.5
1960	-	-	-	-	114.2	117.5	-	121.2	122.1	-	-	117.2
1961	116.1	115.3	114.5	114.2	117.0	119.8	122.1	123.6	124.6	122.8	121.2	119.9
1962	118.7	117.9	117.1	116.6	119.26/	10/						

1/ Water-level measurement made while well was being pumped.
2/ Possible discrepancy of a few tenths of a foot between present and previous land-surface datum.
3/ Nearby well being pumped or flowing.
4/ Well pumped or flowing recently.
5/ Measurement uncertain.
6/ Measurement discontinued or recorder removed.
7/ Measurement uncertain July, August, and September 1959; January 1960; August 1961.
8/ Measurement uncertain June 1956; May 1957; January and August 1960.
9/ Measurement uncertain January 1960; December 1961; February 1962.
10/ Measurement uncertain October and November 1958; February, March, September, October 1959; June 1960.

Table 3.--Selected drillers' logs of wells in Pavant Valley

Altitudes are in feet above sea level for land surface at well.

Thickness in feet. Depth in feet below land surface.

	Thickness	Depth
(C-18-5)27bab-1. Log by Utah Drilling Co. Alt. 4,768 ft.		
Soil	8	8
Sand and gravel	78	86
Clay, yellow, and gravel	94	180
Sandrock	50	230
Gravel	60	290
Gravel and boulders	20	310
Boulders and clay	55	365
Gravel	32	397
Rock, hard		at 397
(C-18-5)27dba-1. Log by Davis-Alcorn Drilling Co. Alt. 4,790 ft.		
Soil	4	4
Gravel	3	7
Clay	7	14
Sand and gravel	8	22
Clay, yellow	10	32
Sand and clay; alternating beds	10	42
Gravel	8	50
Clay, yellow	20	70
Gravel and sand	20	90
Sand and clay; alternating beds	20	110
Sand	15	125
Sand and clay; alternating beds	15	140
Gravel and clay; alternating beds	14	154
Clay, yellow	5	159
Gravel	8	167
Gravel and clay	9	176
Gravel	4	180
Clay	4	184
Gravel	4	188
Sand	14	202
Clay, yellow	6	208
Sand and gravel	17	225
Clay	5	230
Sand	17	247
Gravel and sand	22	269
Gravel	11	280
Clay and gravel; alternating beds	20	300
Gravel	25	325
Gravel and clay; alternating beds	10	335
Gravel	65	400
Clay	15	415
Gravel	45	460
Clay	10	470
Gravel, coarse, and sand	10	480
Gravel	20	500
Clay, red	10	510
Rock, hard	5	515
Shale, red	5	520
(C-18-5)34adb-1. Log by Utah Drilling Co. Alt. 4,778 ft.		
Soil	20	20
Clay, sandy	11	31
Clay, sandy, and gravel	41	72
Clay and gravel	21	93
Sand and gravel	9	102
Gravel, medium; alternates with thin beds of clay	29	131
Sand, gravel, and boulders	30	161
Sand, clay, and boulders	51	212
Conglomerate, hard	122	334
Bedrock	20	354
(C-18-5)34baa-1. Log by Utah Drilling Co. Alt. 4,756 ft.		
Soil	8	8
Clay, sandy	42	50
Clay; alternates with thin beds of sand	48	98
Clay, sandy	79	177
Gravel and clay	31	208
Gravel, medium, clean	7	215
Gravel and clay	6	221
Gravel, clean	5	226
Clay	4	230
Sand and gravel, clean	96	326
Clay, sandy, brown	10	336
Sand and gravel, clean	81	417
Gravel; alternates with thin beds of hard sand	79	496
Sand, silty, fine	4	500
Clay, sandy	17	517
Clay, brown	3	520

	Thickness	Depth
(C-18-5)34baa-1 - Continued		
Sand and gravel, clean	48	568
Gravel and clay	32	600
Shale, hard, and gravel	10	610
Shale, very hard, and sand and gravel conglomerate	57	667
(C-18-5)34bba-1. Log by Utah Drilling Co. Alt. 4,748 ft.		
Soil	4	4
Sandstone	5	9
Sand, clean, and fine gravel	10	19
Gravel, sandy, fine, and clay	29	48
Sand, clay, and gravel	108	156
Boulders, gravel, and clay	45	201
Clay	111	312
Gravel, clean, and sand	50	362
Gravel, coarse; alternates with thin beds of clay	37	399
Gravel, clean, and boulders	103	502
(C-19-4)20acc-2. Log by J. C. Peterson. Alt. 4,866 ft.		
Clay, sandy, very hard	150	150
Clay, soft	5	155
Sand and gravel; water	1	156
Clay	4	160
Gravel and sand; water	2	162
Clay	5	167
Gravel and sand; water	3	170
(C-19-4)30dab-1. Log by Utah Drilling Co. Alt. 4,809 ft.		
Soil	6	6
Clay, sandy	20	26
Sandstone	5	31
Sand, medium, and clay	16	47
Sand, coarse, and clay	20	67
Sand, heavy, and clay	93	160
Sand, coarse, clean, and gravel	4	164
Sand, clean, gravel, and boulders	26	190
Gravel, coarse, and clay	45	235
Gravel, fine to coarse, clean	75	310
Clay, sand, and gravel	22	332
Sand, clean, and gravel	38	370
Sandstone	16	386
Gravel and boulders	52	438
Sand, gravel, and boulders	52	490
Sand and gravel; alternates with thin beds of clay	20	510
(C-19-4)31ada-1. Log by S. S. Stephenson. Alt. 4,815 ft.		
Soil	28	28
Conglomerate	11	39
Clay, sandy, and fine gravel	41	80
Hardpan	10	90
Clay and gravel; alternating beds	20	110
Clay and hardpan; alternating beds	70	180
Clay, gravel, and hardpan; alternating beds	25	205
Gravel, cemented	17	222
Gravel, good	42	264
Clay and sand, pink	10	274
Sand and gravel	13	287
Clay, sand, and gravel	13	300
Gravel, coarse	32	332
Clay and gravel; alternating beds	23	355
Clay and cemented gravel, chalky (?)	37	392
Gravel, cemented, fine	143	535
Gravel, very hard	10	545
(C-19-4)31dbb-1. Log by S. S. Stephenson. Alt. 4,795 ft.		
Soil	5	5
Hardpan	3	8
Gravel, cobbles, and boulders	7	15
Clay, silt, and sand	15	30
Clay and gravel	15	45
Gravel; water	5	50
Clay and silt	15	65
Clay, silt, and sand; water	13	78
Gravel; water	7	85
Clay, silt, and fine gravel	72	157
Gravel	5	162
Clay and sand; in alternating beds	10	172
Gravel, cemented, very hard	11	183

	Thickness	Depth
(C-19-4)31dbb-1 - Continued		
Clay and gravel; in alternating beds	40	223
Clay, gravel, and hardpan; in alternating beds	76	299
Sand and mudstone	6	305
Clay, sand, and conglomerate	23	328
Gravel, good	3	331
Clay, sand, and gravel	9	340
Conglomerate	8	348
Clay and sand	14	362
Conglomerate	12	374
Clay	5	379
Conglomerate	7	386
Clay	5	391
Gravel, good	2	393
Clay	5	398
Hardpan	14	412
Clay	2	414
Gravel	2	416
Clay and gravel; in alternating beds	22	438
Clay, cemented gravel, and hardpan; in alternating beds	85	523
(C-19-5)2aad-1. Log by J. S. Lee and Sons. Alt. 4,830 ft.		
Soil and clay	85	85
Gravel; water	35	120
Clay	17	137
Gravel; water	65	202
Conglomerate	53	255
Clay	398	653
Shale	2	655
(C-19-5)3aaa-1. Log by S. S. Stephenson. Alt. 4,766 ft.		
Soil	10	10
Clay, sandy	55	65
Clay and sand; little water	107	172
Conglomerate	4	176
Sand and clay	16	192
Hardpan	5	197
Gravel, cemented	11	208
Clay	3	211
Gravel, coarse	7	218
Gravel, cemented, and alternating thin beds of clay	94	312
Gravel, good	3	315
Gravel, cemented, and clay	55	370
Gravel, coarse	5	375
Gravel, cemented, and alternating beds of clay	175	550
(C-19-5)4ddd-1. Log by Davis-Alcorn Drilling Co. Alt. 4,730 ft.		
Sand and silt	15	15
Sand, clean, fine	15	30
Clay, stiff, brown	56	86
Clay, white	79	165
Clay, brown, and sand	55	220
Clay, sandy	45	265
Sand and gravel	10	275
Gravel and clay	21	296
Gravel and brown clay	15	311
Clay, brown	15	326
Clay, brown, and sand	30	356
Sand, hard, fine	14	370
Clay and hard sand	15	385
Sand, hard	15	400
Shale, sandy	18	418
Clay and sand	22	440
Clay, sand, and shale	25	465
Sand and shale	30	495
Conglomerate	26	521
(C-19-5)23dcd-1. Log by S. S. Stephenson. Alt. 4,738 ft.		
Soil	22	22
Clay and sand	42	64
Sand, brown	2	66
Clay	4	70
Clay and sand; alternating beds	58	128
Clay, coarse sand, and gravel	84	212
Clay, sand, and gravel	40	252
Clay and sand	8	260
Clay, brown sand, and gravel	82	342
Sand, light brown	6	348
Clay, sand, and gravel	6	354
Gravel, cemented	5	359

Table 3.--Selected drillers' logs of wells in Pavant Valley - Continued

	Thickness	Depth
(C-19-5)23dcd-1 - Continued		
Clay, sand, and gravel	26	385
Clay, brown	10	395
Clay, light-brown	20	415
Clay, gray	45	460
(C-19-5)31cbd-1. Log by J. S. Lee and Sons. Alt. 4,611 ft.		
Clay, soft, gray; water	22	22
Clay, soft, blue	254	276
Sand, soft, gray; water	2	278
Clay, soft, blue	30	308
Conglomerate, hard, brown	49	357
Sand, soft, dark-gray; water	18	375
(C-19-5)36baa-1. Log by B. B. Gardner. Alt. 4,754 ft.		
Soil, sandy	15	15
Clay	9	24
Sand; little water	14	38
Clay, sandy	52	90
Sand; water	15	105
Clay, sandy	95	200
Conglomerate	54	254
Clay, sandy	121	375
Conglomerate	50	425
Sand and gravel; water	75	500
(C-20-4)4dab-1. Log by S. S. Stephenson. Alt. 4,920 ft.		
Soil	7	7
Gravel	5	12
Clay and sand	58	70
Gravel; dry	25	95
Clay	18	113
Clay and gravel, cemented	8	121
Gravel; water	9	130
Hardpan, very hard	5	135
Clay, sand, and gravel	23	158
Hardpan, very hard	7	165
Clay, light-colored, and sand	40	205
Hardpan and conglomerate	35	240
Hardpan	8	248
Clay, sticky, chalk-colored	13	261
Gravel, cemented	1	262
Hardpan, very hard, light-gray	138	400
Hardpan, gray and brown, shale, and sand	145	545
Rock, gray sand, and shale	210	755
Gravel, fine; little water		at 755
(C-20-4)5cca-1. Log by S. S. Stephenson. Alt. 4,816 ft.		
Soil	13	13
Rock and clay	17	30
Gravel; dry	24	54
Clay	81	135
Conglomerate, gravel, and sand; water	30	165
Clay	10	175
Hardpan and clay; alternating beds	28	203
Clay	5	208
Conglomerate; little water	19	227
Clay	21	248
Hardpan	17	265
Gravel; water	2	267
Conglomerate and clay; alternating beds	93	360
Conglomerate, very hard	37	397
Clay	6	403
Clay and hardpan; alternating beds	54	457
Hardpan, very hard	44	501
Sandstone	4	505
Clay, sticky	10	515
Conglomerate	14	529
Conglomerate and clay; alternating beds	36	565
Clay		at 565
(C-20-4)6aca-1. Log by S. S. Stephenson. Alt. 4,796 ft.		
Soil	10	10
Hardpan	28	38
Clay and silt	32	70
Clay, light brown	95	165
Gravel, good	7	172
Clay and gravel; alternating beds	63	235
Clay, brown	3	238
Gravel, pea-size	2	240
Clay, brown	4	244
Gravel, cemented	11	255
Clay	8	263
Gravel, good	2	265
Clay	5	270
Gravel, good	1	271

	Thickness	Depth
(C-20-4)6aca-1 - Continued		
Gravel, cemented	5	276
Clay, brown	10	286
Gravel, cemented	5	291
Clay	9	300
Gravel, good	3	303
Gravel and clay; alternating beds	32	335
Clay	13	348
Gravel, cemented	7	355
Clay	5	360
Gravel, cemented, and clay; alternating beds	31	391
Gravel, cemented, very hard	11	402
Clay	13	415
Hardpan, white	5	420
Clay, sticky, brown	65	485
Clay, blue	21	506
(C-20-4)18cab-1. Log by Harry Wilson. Alt. 4,799 ft.		
Clay	8	8
Gravel; dry	12	20
Clay, sandy	27	47
Gravel; water	8	55
Clay, sandy	17	72
Gravel; water	4	76
Gravel, fine, and clay	6	82
Gravel, coarse	6	88
Gravel	2	90
Gravel, hard, and clay	6	96
Clay, sandy	4	100
(C-20-5)11baa-1. Drilled by S. S. Stephenson. Alt. 4,702 ft.		
Soil	9	9
Clay	48	57
Gravel; water	12	69
Clay	2	71
Clay and sand	19	90
Clay and fine gravel	70	160
Sand and clay	45	205
Gravel, good	15	220
Clay, red, sand, and fine gravel	100	320
Gravel, good	2	322
Clay and gravel	65	387
Gravel, good	13	400
Clay	18	418
Gravel	7	425
Clay and gravel, cemented	96	521
Gravel, cemented, very hard; little water	74	595
(C-20-5)21dca-1. Log by S. S. Stephenson. Alt. 4,656 ft.		
Soil	6	6
Clay	11	17
Sand; water	7	24
Clay and sand	36	60
Sand and gravel	15	75
Clay, blue and brown	197	272
Clay and sand	5	277
Hardpan	5	282
Clay and sand, brown and red	64	346
Sand and gravel, mixed	12	358
Clay and sand, red	4	362
Clay and gravel, in layers	5	367
Clay	53	420
Clay and gravel, in layers	15	435
Gravel	2	437
Clay, gravel, cobbles, and boulders	17	454
Gravel, pea size	12	466
Clay	9	475
Gravel	6	481
Clay	23	504
Clay and gravel	3	507
Clay	3	510
Gravel, pea size	2	512
Clay and gravel	6	518
Conglomerate	82	600
(C-20-5)24bad-2. Log by Utah Drilling Co. Alt. 4,771 ft.		
Soil	3	3
Sand, fine, aeolian	8	11
Sand, fine; alternates with thin beds of clay	19	30
Clay, sandy	10	40
Clay, stiff, white	11	51
Sand, fine to coarse	41	92
Sand, very hard	16	108
Clay, sandy	10	118
Sand, fine; alternates with thin beds of clay	22	140
Sand, fine to coarse	48	188
Sand, hard, coarse	92	280
Sand, soft, red, and clay	8	288
Clay, sandy, red to white	42	330

	Thickness	Depth
(C-20-5)24bad-2 - Continued		
Clay, stiff, red	50	380
Shale, very hard, chocolate-colored	10	390
(C-20-5)26add-1. Log by Utah Drilling Co. Alt. 4,761 ft.		
Soil	8	8
Sand, silty	12	20
Sand, fine, aeolian	11	31
Clay, brown	4	35
Clay, sandy	6	41
Gravel, medium	33	74
Gravel; alternates with thin beds of clay	38	112
Clay, sandy, white	12	124
Gravel; alternates with thin beds of clay	22	146
Gravel and boulders	8	154
Gravel, cemented, and boulders	36	190
Conglomerate, tight, hard	124	314
(C-20-5)26ddd-1. Log by B. B. Gardner. Alt. 4,784 ft.		
Clay	12	12
Gravel, cemented	9	21
Clay, light	59	80
Gravel; water	10	90
Clay, light	10	100
Gravel; water	30	130
Clay, yellow	2	132
Conglomerate; little water	100	232
Clay, yellow	5	237
Conglomerate; little water	13	250
(C-20-5)27bac-1. Log by S. S. Stephenson. Alt. 4,684 ft.		
Clay, brown	25	25
Gravel	5	30
Clay, gray	20	50
Gravel	10	60
Clay, gray	20	80
Sand and gravel	40	120
Clay	15	135
Clay, silt, and sand	20	155
Clay, chalky, and hardpan	70	225
Clay, pink	70	295
Silt	13	308
Hardpan	13	321
Clay	6	327
Clay and gravel; alternating beds	28	355
Clay, sticky	15	370
Hardpan	53	423
Gravel and hardpan	37	460
Gravel, good	13	473
Bedrock, very hard	7	480
(C-21-4)17cdd-1. Log by B. B. Gardner. Alt. 5,058 ft.		
Soil	8	8
Boulders and gravel	47	55
Conglomerate, hard	12	67
Gravel; water	5	72
Gravel, boulders, and clay	11	83
Clay	42	125
Gravel and boulders	85	210
Gravel; little water	1	211
Shale, gray	11	222
(C-21-5)5dbc-2. Log by S. S. Stephenson. Alt. 4,655 ft.		
Soil	12	12
Clay, white	11	23
Gravel and hardpan	12	35
Clay, brown	11	46
Gravel, cemented	19	65
Silt; water	10	75
Clay, brown	15	90
Clay and sand	50	140
Clay and gravel; mixed	7	147
Clay	28	175
Clay, blue	20	195
Clay; water	5	200
Clay, gray and blue	70	270
Clay, brown	7	277
Hardpan	2	279
Clay and sand, red	28	307
Clay, sandy	28	335
Gravel, cemented	13	348
Clay, sand, and gravel; alternating beds	14	362
Clay, sticky, light-brown	66	428
Clay and fine gravel	5	433
Clay, sand, and gravel; alternating beds	87	520
Clay, brown	5	525
Sand and boulders	40	565

Table 3.--Selected drillers' logs of wells in Pavant Valley - Continued

	Thickness	Depth
(C-21-5)6cac-1. Log by S. S. Stephenson. Alt. 4,644 ft.		
Soil	5	5
Hardpan	10	15
Basalt	17	32
Gravel and sand	20	52
Basalt	33	85
Clay, gray	5	90
(C-21-5)7cdd-2. Log by B. B. Gardner. Alt. 4,651 ft.		
Soil	6	6
Clay	21	27
Basalt; water	69	96
(C-21-5)7ddc-1. Log by J. C. Peterson. Alt. 4,657 ft.		
Soil	2	2
Clay, buff	12	14
Clay, white	4	18
Sand and gravel	2	20
Clay, blue	2	22
Gravel	4	26
Clay, blue	13	39
Basalt; water	39	78
Clay, white	6	84
Clay, buff	106	190
Clay, blue	75	265
Clay, white	5	270
Sand	2	272
Clay, buff	51	323
Sand and gravel	2	325
(C-21-5)8bdc-2. Log by Utah Drilling Co. Alt. 4,670 ft.		
Soil, sand, and gravel	11	11
Sand and clay	19	30
Gravel, fine to coarse	18	48
Gravel and brown clay	20	68
Basalt and volcanic cinders, very hard	21	89
Sand, clean, brown	7	96
Volcanic cinders and clay	10	106
Sand, clay, and volcanic cinders	17	123
Sand, clean, fine	26	149
Clay, brown, and shale	61	210
Clay, white, and shale	50	260
Clay, soft, brown	39	299
Sand, fine to medium	49	348
Clay, sandy	8	356
Gravel, medium, and boulders	50	406
Gravel, cemented, hard	1	407
(C-21-5)17add-3. Log by S. S. Stephenson. Alt. 4,701 ft.		
Soil	8	8
Clay, light-colored	7	15
Gravel and pink clay; water	28	43
Clay, sandy	115	158
Hardpan	5	163
Clay	80	243
Gravel, good	17	260
Clay	8	268
Gravel; water	27	295
Clay, sticky	15	310
Gravel	10	320
Conglomerate; little water	44	364
Hardpan	6	370
Conglomerate, light-colored	15	385
(C-21-5)18ada-2. Log by B. B. Gardner. Alt. 4,666 ft.		
Soil	5	5
Clay	13	18
Boulders, gravel, and sand	37	55
Gravel and sand; water	13	68
Basalt	20	88
Clay and sand	47	135
(C-21-5)20cca-2. Log by B. B. Gardner. Alt. 4,675 ft.		
Gravel and clay	35	35
Sand; water	13	48
Clay	47	95
Gravel	3	98
Clay	177	275
Gravel; water	13	288
Sand and clay	37	325
Gravel	6	331
Clay	9	340
Gravel	18	358
Clay	92	450
Gravel; water	5	455
Clay	13	468
Gravel; water	62	530
Clay	15	545
Gravel	12	557
Clay	61	618
Gravel	13	631
(C-21-5)25aaa-1. Log by S. S. Stephenson. Alt. 4,989 ft.		
Fill, loose	60	60
Boulders and gravel	210	270
Hardpan	10	280
Conglomerate	100	380
Clay, red	28	408
Shale, gray, brown, and blue	192	600
(C-21-5)28aaa-1. Log by S. S. Stephenson. Alt. 4,752 ft.		
Soil	10	10
Gravel; dry	27	37
Gravel; water	32	69
Clay, gray	11	80
Clay, sandy	47	127
Clay, yellow	3	130
Clay, sandy	33	163
Conglomerate	18	181
Gravel; water	9	190
Gravel, cemented	45	235
Clay, red	22	257
Gravel, coarse, cemented	4	261
Conglomerate	64	325
Gravel; water	8	333
Clay, red	17	350
Gravel, cemented, and clay; in alternating beds	150	500
Gravel, coarse, cemented	8	508
Gravel, loose	2	510
(C-21-5)29bdd-2. Log by B. B. Gardner. Alt. 4,684 ft.		
Clay, sandy	8	8
Sand; water	17	25
Clay	31	56
Gravel; water	55	111
Clay, sandy	89	200
Gravel; water	18	218
Conglomerate	52	270
Clay, sandy	40	310
Gravel; water	45	355
Sand and clay	23	378
Gravel; water	43	421
Clay	9	430
Gravel	7	437
Sand and gravel; water	3	440
Clay	7	447
Gravel; water	78	525
Clay	7	532
Gravel	55	587
Bedrock, quartz (?)	45	632
(C-21-5)30dbc-3. Log by B. B. Gardner. Alt. 4,668 ft.		
Soil	7	7
Sand; water	3	10
Clay, white	28	38
Clay, light-red	32	70
Conglomerate, hard	32	102
Clay, gray	78	180
Sand; water	2	182
Clay, sandy	28	210
Clay, light-red	5	215
Hardpan	2	217
Clay, sandy, gray	8	225
Sand; water	2	227
Clay, sandy, red	91	318
Sand; water	7	325
Gravel and sand	3	328
Clay, red	15	343
Gravel; water	3	346
Clay, white	11	357
Clay, red	74	431
Gravel; water	9	440
Clay, red	19	459
Gravel; water	8	467
Clay, blue	6	473
Gravel; water	7	480
Clay, red	70	550
Gravel; water	5	555
Clay, red	10	565
Gravel	3	568
Clay, red	5	573
Gravel, alternates with thin beds of clay	37	610
Conglomerate, hard	20	630
Conglomerate and sticky clay	12	642
Clay, sandy, red	11	653
Gravel; water	1	654
Clay, sand, and gravel; water	26	680
Conglomerate, hard	5	685
Conglomerate; alternates with thin beds of clay	25	710
Conglomerate, hard	50	760
Gravel; water	8	768
Clay, red	16	784
Gravel; water	3	787
(C-21-5)31cdd-2. Log by S. S. Stephenson. Alt. 4,680 ft.		
Soil	3	3
Hardpan	2	5
Clay, soft, and sand	75	80
Clay, chalky	25	105
Gravel and red clay; alternating beds	32	137
Gravel	3	140
Hardpan	5	145
Clay, red	20	165
Clay, dark-gray, and sand	35	200
Sand and clay, pink	27	227
Clay	48	275
Sand and fine gravel; alternates with thin beds of clay	90	365
Clay	35	400
Sand and gravel	18	418
Clay, red	10	428
Sand and fine gravel	12	440
Clay and hardpan	88	528
Sand and gravel	14	542
Gravel, cemented, and hardpan; alternating beds	238	780
Gravel, good	15	795
Clay, pink, and gravel	5	800
(C-21-5)33dcc-2. Log by H. S. Peterson. Alt. 4,740 ft.		
Clay	30	30
Gravel; water	1	31
Clay	19	50
Gravel and hard clay	8	58
Clay, red	62	120
Clay, sandy	36	156
Gravel	4	160
Clay	6	166
Gravel, sand, and clay; little water	14	180
Clay	6	186
Gravel and clay	9	195
Clay	5	200
Gravel; water	10	210
Clay	6	216
Gravel	24	240
Clay	14	254
Sand	1	255
Clay	3	258
(C-21-6)1ddb-1. Log by H. S. Peterson. Alt. 4,656 ft.		
Clay and basalt	17	17
Basalt	31	48
Clay	7	55
Basalt; little water	1	56
Clay and sand	24	80
Basalt; water	25	105
(C-21-6)36cdd-1. Log by S. S. Stephenson. Alt. 4,671 ft.		
Soil	6	6
Clay, gray, blue sand, and silt	29	35
Clay, light-brown, and fine sand	41	76
Clay, gray	77	153
Gravel	3	156
Clay, brown	14	170
Gravel	4	174
Clay	7	181
Gravel	5	186
Clay, red	64	250
Hardpan	5	255
Clay, light-colored	23	278
Gravel, fine, sand, and clay; alternating beds	24	302
Clay, brown	8	310
(C-22-5)3baa-1. Log by B. B. Gardner. Alt. 4,784 ft.		
Soil	18	18
Clay, sandy	62	80
Sand; water	17	97
Clay, sandy	141	238
Sand and gravel; water	27	265
Conglomerate	45	310
Sand, gravel, and boulders; water	70	380
(C-22-5)4dca-1. Log by Utah Drilling Co. Alt. 4,749 ft.		
Soil	5	5
Sandstone, red	15	20
Gravel, clean, pea-size	21	41
Clay, stiff, brown	11	52
Gravel, fine to medium	53	105
Gypsum (?) and sand	5	110
Clay, hard, red, and sandstone boulders	92	202

Table 3.--Selected drillers' logs of wells in Pavant Valley - Continued

	Thickness	Depth
(C-22-5)4dca-1 - Continued		
Conglomerate boulders	22	224
Gravel	4	228
Clay, soft, and gravel	23	251
(C-22-5)9bba-1. Log by B. B. Gardner. Alt. 4,731 ft.		
Soil	15	15
Sand; little water	10	25
Clay, sandy	105	130
Sand and gravel; water	15	145
Clay, sandy, red	55	200
Gravel; water	5	205
Sand and gravel; little water	128	333
Gravel; little water	26	359
Clay, sandy	41	400
Sand and gravel; water	15	415
Clay, sandy	55	470
Sand and gravel; water	5	475
Clay, sandy	70	545
Sand and gravel; water	10	555
(C-22-5)17dbd-2. Log by S. S. Stephenson. Alt. 4,743 ft.		
Soil	7	7
Clay, chalky	33	40
Clay, light-pink	10	50
Clay, chalky	55	105
Clay, sandy, pink	50	155
Clay, sandy, black	5	160
Clay, gray	20	180
Clay, pink and brown	75	255
Hardpan and pink clay; in alternating beds	35	290
Sand and gravel	28	318
Clay	3	321
Gravel	16	337
Conglomerate; alternates with thin beds of gravel	35	372
Gravel	6	378
Clay, sandy, and hardpan; in alternating beds; little water	105	483
Clay and hardpan; alternating layers	38	521
Gravel	9	530
Clay and conglomerate	30	560
(C-22-5)21dda-1. Log by Utah Drilling Co. Alt. 4,828 ft.		
Soil, clay, and boulders	8	8
Sand and boulders	12	20
Gravel and boulders; alternates with thin beds of clay	90	110
Clay, hard, gray	10	120
Gravel, clean	40	160
Clay, stiff, red	27	187
Gravel, clean, coarse	28	215
Gravel; alternates with thin beds of clay	15	230
Clay, hard, red	6	236
Gravel; alternates with thin beds of red clay	34	270
Gravel and boulders	40	310
Gravel, clean	16	326
Conglomerate, hard	36	362
Shale, gray	8	370
(C-22-5)22dac-1. Log by S. S. Stephenson. Alt. 4,902 ft.		
Soil	15	15
Gravel	45	60
Clay, red	25	85
Mudstone and clay; alternating beds	7	92
Siltstone	8	100
Clay, red, and gravel	40	140
Gravel; water	5	145
Clay and gravel; alternating beds	16	161
Clay, pink	4	165
Gravel	3	168
Gravel, cemented, very hard	100	268
Clay, yellow	27	295
Clay, gray	35	330
Clay, blue, and shale	2	332
(C-22-5)33cdd-2. Log by B. B. Gardner. Alt. 4,835 ft.		
Soil	7	7
Clay, white	8	15
Boulders, gravel, and red sand	30	45
Clay, sandy	42	87
Gravel and sand; some water	4	91
Clay, sandy, red	36	127
Gravel; water	48	175
Clay	8	183
Gravel; water	87	270
(C-22-6)3add-2. Log by Utah Drilling Co. Alt. 4,687 ft.		
Soil	6	6
Clay, brown to black	34	40
Shale, black, and sand	30	70
Clay, sandy, brown	63	133
Basalt	31	164
Clay, soft	12	176
Volcanic cinders, clay, and gravel	72	248
Gravel and volcanic cinders	88	336
Basalt, hard	3	339
(C-22-6)19aaa-1. Log by B. B. Gardner. Alt. 4,747 ft.		
Soil	12	12
Basalt	136	148
Clay, red	4	152
(C-22-6)32dad-1. Log by J. S. Lee and Sons. Alt. 4,698 ft.		
Clay	5	5
Clay, hard	5	10
Sand	5	15
Clay	11	26
Sand; water	15	41
Basalt	14	55
Gravel and sand, coarse; water	18	73
Conglomerate	150	223
Gravel; water	8	231
Conglomerate	169	400
(C-23-5)5acd-1. Log by B. B. Gardner. Alt. 4,842 ft.		
Soil	6	6
Clay, white	36	42
Clay, red	26	68
Boulders and gravel	27	95
Gravel; water	17	112
Boulders, cemented	52	164
Boulders and gravel; water	9	173
Gravel and hardpan	67	240
Gravel; water	113	353
(C-23-5)29bca-2. Log by B. B. Gardner. Alt. 5,015 ft.		
Gravel and boulders	35	35
Hardpan	115	150
Gravel, fine; water	5	155
Sandstone	120	275
Sand; little water	10	285
Shale	35	320
(C-23-6)2dad-1. Log by J. S. Lee and Sons. Alt. 4,798 ft.		
Clay	15	15
Gravel	10	25
Clay and gravel	34	59
Volcanic cinders	21	80
Conglomerate	320	400
(C-23-6)5cbc-1. Log by J. S. Lee and Sons. Alt. 4,706 ft.		
Soil	5	5
Clay	5	10
Clay, sandy	31	41
Volcanic cinders	23	64
Basalt	98	162
(C-23-6)9ccd-1. Log by Vernon Dimick and Harry Wilson. Alt. 4,711 ft.		
Soil	12	12
Clay, red	3	15
Clay, white	25	40
Sand, fine; water	2	42
Gravel and sand; water	4	46
Clay, brown	9	55
Clay, light-colored	10	65
Silt	13	78
Gravel; water	38	116
Gravel or volcanic cinders, rust-colored	6	122
Basalt	3	125
Basalt, hard	5	130
Basalt and gravel	6	136
(C-23-6)10bdd-1. Log by P. C. Bradshaw. Alt. 4,749 ft.		
Soil, sandy	22	22
Clay, gray	13	35
Clay, sandy	10	45
Gravel	20	65
Clay, sandy	13	78
Volcanic cinders	38	116
Volcanic cinders and basalt	4	120
Basalt	12	132
(C-23-6)13dcb-1. Log by S. S. Stephenson. Alt. 4,895 ft.		
Soil	22	22
Clay and gravel	26	48
Clay, pink	24	72
Basalt, black	18	90
Basalt, red	25	115
Basalt, red and black	12	127
Clay and gravel, mixture	16	143
Basalt	1	144
Clay and gravel; alternating beds	11	155
Clay and gravel	10	165
Mudstone	5	170
Sandstone	6	176
Clay, silt, and soft sand	5	181
Mudstone	9	190
Clay, silt, sand, and fine gravel	15	205
(C-23-6)15baa-1. Log by S. S. Stephenson. Alt. 4,750 ft.		
Soil	18	18
Clay and gravel	30	48
Gravel and basalt; water	22	70
Basalt, broken	30	100
Basalt, solid, black and red	25	125
(C-23-6)16bad-1. Log by B. B. Gardner. Alt. 4,721 ft.		
Clay	83	83
Volcanic cinders, black and red	34	117
Basalt	13	130
(C-23-6)17cdc-1. Log by B. B. Gardner and B & B Drilling Co. Alt. 4,727 ft.		
Soil	12	12
Clay	24	36
Sand	39	75
Sand; water	15	90
Clay	38	128
Gravel; water	6	134
Conglomerate	41	175
Gravel; water	5	180
Conglomerate	8	188
Gravel	2	190
Clay	11	201
Gravel and sand	13	214
Clay and boulders	9	223
Gravel	22	245
Clay and gravel	16	261
Gravel	15	276
Clay	13	289
Gravel	12	301
Clay	19	320
Rock	120	440
(C-23-6)19bad-1. Log by B. B. Gardner. Alt. 4,742 ft.		
Clay, sandy	25	25
Clay and gravel	31	56
Gravel; dry	8	64
Clay, sandy	10	74
Gravel	10	84
Clay and rock	8	92
Silt	30	122
Sand	2	124
Silt	22	146
Sand	2	148
Silt, sandy	18	166
Silt	19	185
Hardpan	12	197
Silt	31	228
Sand	2	230
Silt	16	246
Sand and gravel	2	248
Sandstone	12	260
Clay, sandy, brown	10	270
(C-23-6)20caa-1. Log by B. B. Gardner. Alt. 4,743 ft.		
Soil	18	18
Hardpan	6	24
Clay, sandy	36	60
Sand; little water	7	67
Clay, sandy	18	85
Sand and gravel; water	5	90
Clay, sandy	15	105
Conglomerate, hard	9	114
Clay, sandy	12	126
Sand and gravel; water	9	135
Gravel; water	3	138
Clay, sandy	7	145
Gravel; water	7	152
Conglomerate, hard	8	160
Gravel; water	3	163
Clay, sandy	12	175

Table 3.--Selected drillers' logs of wells in Pavant Valley - Continued

	Thickness	Depth
(C-23-6)20caa-1 - Continued		
Gravel; water	7	182
Clay, sandy	12	194
Conglomerate	11	205
Gravel; water	30	235
Gravel; alternates with thin beds of clay; water	25	260
Gravel; alternates with thin beds of sandy clay; water	35	295
Shale, red	12	307
(C-23-6)20cbb-1. Log by B. B. Gardner. Alt. 4,746 ft.		
Clay, light-colored	18	18
Clay, brown	37	55
Clay, sandy, brown	10	65
Sand and gravel; water	21	86
Gravel; water	3	89
No record	6	95
Sand and gravel; water	7	102
Gravel; water	16	118
Sand and gravel; water	6	124
Hardpan	16	140
Gravel; water	10	150
Hardpan	7	157
Gravel; water	6	163
Hardpan	21	184
Gravel; water	4	188
Clay	2	190
Gravel; water	15	205
Gravel and clay; alternating beds; water	33	238
Gravel; water	4	242
Clay, light-colored, and gravel	19	261
Sand; water	4	265
Clay, light-red	25	290
(C-23-6)20cbb-1 - Continued		
Clay, red; alternates with thin beds of gravel; water	55	345
Clay, red; alternates with thin beds of cemented sand	85	430
(C-23-6)21add-1. Log by B & B Drilling Co. Alt. 4,795 ft.		
Soil	14	14
Clay	67	81
Clay, sandy	13	94
Clay	28	122
Sand and gravel	8	130
Clay	18	148
Sand	7	155
Boulders	60	215
Sand and gravel	12	227
Basalt	183	410
Volcanic cinders, red	35	445
(C-23-6)21bdd-1. Log by B & B Drilling Co. Alt. 4,754 ft.		
Soil	5	5
Clay	42	47
Clay, sandy	18	65
Sand and gravel	12	77
Clay	7	84
Sand and gravel	18	102
Clay and gravel	13	115
Sand and gravel	12	127
Clay	12	139
Sand and gravel	13	152
Boulders and clay	26	178
Sand, gravel, and boulders	14	192
Boulders and clay	22	214
Boulders and gravel	14	228
Boulders and clay	8	236
(C-23-6)21bdd-1 - Continued		
Boulders and gravel	14	250
Boulders and clay	23	273
Boulders and gravel	18	291
Boulders and clay	18	309
Gravel and sand	10	319
Basalt	82	401
Volcanic cinders, red	14	415
(C-23-6)21cdd-1. Log by B. B. Gardner. Alt. 4,789 ft.		
Soil	20	20
Sand, red	5	25
Gravel and boulders	91	116
Quartzite (?)	384	500
Clay, hard, gray, and gravel	36	536
Sand; little water	7	543
Clay, hard, gray, and gravel	17	560
Clay, very sticky	10	570
Clay, hard, red, and rock	25	595
Shale, sandy	35	630
(C-23-6)28bbb-1. Log by Utah Drilling Co. Alt. 4,768 ft.		
Clay, sandy	22	22
Sand, clean, fine	11	33
Clay, stiff	14	47
Sand, fine to coarse	8	55
Sand; alternates with thin beds of clay	3	58
Sand, coarse, and fine gravel	5	63
Sand and gravel	17	80
Gravel	24	104
Gravel, sandy, coarse; alternates with thin beds of clay	17	121
Clay, brown	6	127
Gravel, cemented, hard	9	136
Gravel	50	186
Granite (?), hard	8	194

Table 4.--Chemical analyses of water from selected wells in Pavant Valley
(Analyses by U.S. Geological Survey)

Well number	Date of collection	Depth of well (feet)	Temperature (°F)	Parts per million																Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micromhos/cm at 25°C)	pH
				Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Na + K		Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids[1]	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$				
									Sodium (Na)	Potassium (K)													
(C-18-5)34baa-1	6-18-57	667	62	21	-	-	95	51	44		343	77	125	-	7.3	-	589	448	167	17	0.9	1,060	7.0
	5-23-60		62	25	-	-	92	51	48		348	80	120	-	6.6	-	594	438	153	19	1.0	1,010	7.6
	6- 2-61		62	24	0.00	0.00	136	22	47	1.5	358	76	116	-	6.5	0.11	605	432	138	19	1.0	1,010	7.7
	9- 5-61		62	-	-	-	-	-	-	-	355	-	113	-	-	-	-	-	-	-	-	998	7.3
(C-19-4)31dbb-1	5-25-61	523	56	19	.02	.00	84	24	41	1.5	267	33	92	0.0	15	.04	441	308	89	22	1.0	778	7.7
	5- 2-62		56	-	-	-	-	-	45		251	55	122	-	-	-	2/556	338	132	22	1.1	908	7.8
(C-20-5)9daa-1	4-11-43	330	-	-	-	-	236	78	53		300	656	67	.2	.5	.08	1,240	910	-	11	.8	1,600	-
22bcc-1	11-17-44	400	-	-	-	-	115	84	85		244	453	102	-	1.2	-	960	632	432	23	1.5	1,420	-
	10-23-57		66	27	-	-	111	82	85		251	430	102	-	3.1	-	963	614	408	23	1.5	1,460	7.1
	5-23-60		63	26	-	-	111	84	91		251	450	102	-	1.7	-	989	622	416	24	1.6	1,410	7.7
	5- 2-62		-	24	.01	-	113	82	82	5.4	234	452	102	.3	.5	.16	976	618	426	22	1.4	1,430	8.0
27bcb-1	4-11-43	601	-	-	-	-	178	130	79		248	687	162	.4	2.6	.09	1,360	978	775	15	1.1	1,850	-
27cbb-1	11-16-44	286	-	-	-	-	45	42	22		230	70	50	-	.4	-	343	285	96	14	.6	633	-
28cdd-1	11-16-44	354	-	-	-	-	52	46	26		247	107	43	-	.4	-	396	319	116	15	.6	720	-
28daa-1	11-16-44	330	-	-	-	-	54	44	14		244	70	52	-	.4	-	355	316	116	9	.3	699	-
28ddd-1	11-16-44	309	-	-	-	-	49	38	28		247	72	43	-	.8	-	352	278	76	18	.7	632	-
31dcd-1	11-16-44	508	-	-	-	-	92	57	60		235	189	145	-	1.5	-	660	464	272	22	1.2	1,130	-
32aaa-1	4- 8-43	490	65	-	-	-	34	34	85		3/158	52	160	.2	.2	.05	443	225	95	45	2.5	800	-
33bba-1	11-16-44	325	-	-	-	-	32	29	78		166	55	123	-	1.0	-	400	199	63	46	2.4	746	-
33bda-1	11-16-44	360	-	-	-	-	55	48	77		228	139	121	-	1.0	-	553	335	148	33	1.8	985	-
(C-21-4)7bbc-1	11-17-44	73	-	-	-	-	84	33	4.4		397	13	10	-	2.0	-	342	345	20	3	.1	628	-
(C-21-5)6cac-1	5- 7-57	90	55	30	-	-	151	54	78		309	150	238	-	31	-	884	600	347	22	1.4	1,500	-
6dba-1	5-31-43	400	61	-	-	-	45	26	16		228	26	28	-	1.0	.00	254	220	32	14	.5	484	-
	10-23-57		-	18	-	-	48	23	21		233	24	32	-	2.9	-	284	217	26	18	.6	506	7.3
7cdd-2	7- 7-54	96	55	27	-	-	89	41	103		343	179	96	-	13	-	717	390	109	36	2.3	1,140	7.4
	5- 7-57		55	29	-	-	86	47	94		344	162	105	-	15	-	707	406	124	33	2.0	1,140	7.6
	6-23-58		56	25	-	-	103	55	129		344	208	174	-	22	-	885	482	200	37	2.6	1,430	7.6
7cdd-3	5-24-60	-	54	28	-	-	111	56	136		344	238	186	-	16	-	940	510	228	37	2.6	1,490	7.7
	5-25-61		54	24	.02	.00	127	44	137	2.7	352	235	171	.1	14	.39	928	498	209	37	2.7	1,470	7.7
	5- 2-62		54	-	-	-	-	-	109		305	210	130	-	-	-	2/778	414	164	37	2.3	1,230	7.8

Table 4.--Chemical analyses of water from selected wells in Pavant Valley - Continued

Well number	Date of collection	Depth of well (feet)	Temperature (°F)	Parts per million															Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micromhos/cm at 25°C)	pH
				Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Na + K		Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids[1]	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$				
									Sodium (Na)	Potassium (K)												
(C-21-5)7ddc-3	6-18-57	96	-	29	-	-	141	48	88		378	134	192	-	25	-	843	548	238	26	1.6	-	7.3
	6-23-58		-	23	-	-	79	34	42		327	70	52	-	16	-	477	336	68	21	1.0	857	7.7
	8-26-58		54	21	-	-	92	32	68		352	89	81	-	15	-	571	360	71	29	1.5	967	7.6
8bab-1	11-22-44	455	-	-	-	-	61	28	43		260	74	49	-	.6	-	384	267	54	26	1.1	674	-
8bdc-1	5-31-43	317	62	-	-	-	48	25	28		248	32	32	-	1.0	0.05	288	223	20	21	.8	525	-
8bdc-2	7- 7-54	407	-	20	-	0.00	61	22	27		254	31	40	-	5.6	-	332	245	37	20	.8	558	7.8
	8-26-58		62	18	-	-	62	23	27		256	33	42	-	5.8	-	337	250	40	19	.7	579	7.8
	5-31-60		63	21	-	-	61	26	30		256	39	48	-	4.8	-	356	257	47	20	.8	602	7.7
	5-25-61		62	20	0.01	-	73	20	32	1.3	261	47	52	0.2	3.8	.08	377	263	49	21	.9	642	7.8
8cdd-1	8-26-58	246	56	20	-	-	70	26	26		264	38	53	-	7.7	-	371	280	64	17	.7	629	7.8
9cdc-1	5-31-43	300	55	-	-	-	50	25	9.7		242	11	27	-	1.0	.02	243	228	30	8	.3	463	-
12bad-1	11-17-44	135	-	-	-	-	61	31	43		397	28	11	-	3.2	-	373	280	0	25	1.1	670	-
15dbb-1	11-18-44	400	-	-	-	-	74	30	25		353	13	41	-	1.7	-	359	308	18	15	.6	647	-
16bcc-2	4- 8-43	254	-	-	-	-	68	29	21		336	14	24	.0	12	.00	334	288	13	13	.5	553	-
17adc-1	5-31-43	236	56	-	-	-	42	29	47		260	13	69	-	2.0	.02	330	224	11	31	1.4	488	-
17bdd-2	5-31-43	368	57	-	-	-	56	30	19		280	15	41	-	2.5	.02	301	264	34	14	.5	575	-
17ccd-1	5-31-43	347	57	-	-	-	55	29	19		276	17	37	-	2.5	.04	296	256	30	14	.5	562	-
17cda-1	5-31-43	410	58	-	-	-	59	29	16		276	17	38	-	3.5	.04	298	266	40	11	.4	566	-
18aba-1	8-26-58	150	55	22	-	-	114	44	96		348	186	131	-	13	-	777	464	179	31	2.0	1,250	7.6
18ada-1	5-31-43	453	61	-	-	-	58	28	26		234	37	59	-	2.0	.04	325	260	68	18	.7	605	-
18ada-2	5- 7-57	135	55	29	-	-	77	36	58		336	120	43	-	9.7	-	539	342	66	27	1.4	881	7.8
	6-24-58		55	24	-	-	76	40	63		332	132	51	-	13	-	562	356	84	28	1.4	890	7.6
18add-1	11-21-44	508	62	-	-	-	61	30	31		234	60	60	-	4.2	-	362	276	84	20	.8	704	-
18ddd-1	11-22-44	493	61	-	-	-	74	34	69		252	146	80	-	3.1	-	530	324	118	32	1.7	901	-
	10-11-57		61	16	-	-	77	30	108		295	121	127	-	6.9	-	631	317	75	43	2.7	942	7.2
19aad-1	11-21-44	455	-	-	-	-	50	24	32		236	47	32	-	7.8	-	309	224	30	24	.9	596	-
19ada-1	11-21-44	336	62	-	-	-	76	38	64		242	120	112	-	4.8	-	534	346	147	29	1.5	1,010	-
19add-1	6- 1-55	670	-	22	.04	-	214	101	183	7.2	290	561	368	.0	2.1	.51	1,600	950	712	29	2.6	2,420	6.9
19ccd-1	7- 7-45	60	-	-	-	-	-	-	-	-	409	1,450	900	-	-	-	-	1,090	-	-	-	5,350	-
19daa-1	5-31-43	403	63	-	-	-	84	46	104		212	209	164	-	2.5	.27	714	398	225	36	2.3	1,210	-
19daa-2	5-31-43	232	61	-	-	-	90	45	90		256	182	145	-	1.5	.18	680	410	200	32	1.9	1,160	-
19dcd-1	5-31-43	330	61	-	-	-	76	40	88		286	149	110	-	1.5	.27	605	354	120	35	2.0	1,020	-
19dcd-3	12- 54	615	-	19	.13	-	138	67	135	5.9	314	270	268	.0	3.0	.40	1,060	620	362	32	2.4	1,750	7.2
20aaa-1	5-31-43	334	55	-	-	-	70	34	15		308	19	52	-	1.0	.3	343	314	62	9	.4	653	-
20bba-1	11-21-44	445	60	-	-	-	52	22	32		262	35	23	-	9.6	-	303	220	6	24	1.0	536	-
20bba-2	12-23-53	480	63	17	.48	.06	104	45	91	4.6	292	223	121	.2	5.6	-	755	444	205	31	1.8	1,220	7.3
	7- 7-54		-	12	-	-	95	34	87		284	180	100	-	6.5	-	654	380	147	33	2.0	1,050	7.9
20cca-1	5-31-43	488	63	-	-	-	126	55	150		234	316	244	-	2.5	.18	1,010	540	348	38	2.8	1,550	-
20cca-2	4/10-10-53	631	-	22	1.5	.43	225	100	222	8.1	320	601	410	.0	2.2	.74	1,750	972	710	33	3.1	2,610	7.6
	12-21-53		66	19	.05	.16	202	86	180	10	306	455	370	.1	3.4	-	1,480	858	607	31	2.7	2,310	7.2
	3-25-54		-	19	.18	.00	206	86	181	10	306	469	380	.1	3.1	.60	1,510	868	617	31	2.7	2,340	7.2
	7- 7-54		66	21	-	-	218	82	189		288	506	375	-	1.3	-	1,530	884	648	32	2.8	2,400	7.6
20dad-1	10-11-57	293	57	17	-	-	67	24	17		319	2.0	18	-	18	-	320	267	5	12	.4	575	7.1
20dda-1	5-31-43	323	57	-	-	-	51	25	16		272	13	18	-	3.7	.04	261	230	8	13	.5	482	-
20dda-2	5-31-43	145	58	-	-	-	52	24	11		260	13	17	-	3.1	.04	248	228	16	10	.3	482	-
21bba-1	5-31-43	281	54	-	-	-	56	31	11		256	19	42	-	2.0	.04	287	268	58	8	.3	573	-
21cba-1	5-31-43	279	56	-	-	-	62	27	16		298	11	30	-	3.2	.04	296	266	22	12	.4	555	-
21cba-3	3-25-55	630	-	16	.03	.04	68	42	87	5.6	272	165	93	.1	3.6	.12	614	342	119	35	2.0	1,000	7.5
	3-29-55		57	18	.10	.00	70	29	21	1.4	308	30	32	.0	9.6	.03	363	294	41	13	.5	624	7.3
28aaa-1	8-28-58	510	59	15	-	-	71	25	16		318	16	17	-	16	-	332	280	19	11	.4	578	7.2
29aac-1	11-20-44	315	61	-	-	-	54	24	24		226	44	36	-	3.9	-	297	234	48	18	.7	630	
29aad-2	11-20-44	300	60	-	-	-	54	20	27		253	31	22	-	6.9	-	286	217	10	22	.8	530	-
29aad-3	4/1- 55	600	-	18	.62	.00	146	60	137	7.9	298	377	182	.0	4.6	.41	1,080	611	367	32	2.4	1,650	7.1
29bdd-1	11-18-44	207	62	-	-	-	63	23	36		265	48	44	-	.6	-	345	252	34	24	1.0	647	-
29bdd-2	3- 4-54	437	-	14	-	.07	119	47	99	7.9	288	212	174	.1	7.4	.44	822	490	254	30	1.9	1,350	7.5
	7- 7-54		63	16	-	-	98	34	89		269	162	129	-	9.3	-	670	386	165	34	2.0	1,100	7.9
	6-24-58		64	15	-	-	87	32	77		290	123	100	-	12	-	589	348	110	33	1.8	980	7.5
	5/6-27-58	632	-	17	-	-	305	89	321		332	756	540	-	2.2	-	2,190	1,120	853	38	4.2	3,210	7.0
	6/6-27-58		-	16	-	-	174	54	162		302	350	279	-	6.0	-	1,190	658	410	35	2.7	1,870	7.1
	8-28-58		65	16	-	-	177	53	162		302	348	282	-	6.2	-	1,190	660	412	35	2.7	1,890	7.4
29cad-1	5-31-43	440	64	-	-	-	109	44	115		252	228	182	-	2.5	.14	805	453	246	36	2.3	1,350	-
29cdd-1	5-31-43	366	62	-	-	-	126	42	124		280	235	200	-	2.0	.14	867	487	258	36	2.5	1,430	-
29cdd-2	3-29-54	580	65	17	.13	-	170	54	132	18	288	293	280	.6	4.1	.55	1,110	646	410	30	2.3	1,800	7.2
29dca-1	4- 8-43	380	63	-	-	-	181	51	171		302	362	287	.1	3.0	.45	1,200	661	414	36	2.9	1,780	-
29ddd-1	5-31-43	277	62	-	-	-	56	20	49		234	51	57	-	4.2	.14	352	222	30	33	1.4	632	-
30ada-1	5-31-43	470	62	-	-	-	80	46	101		230	181	163	-	1.5	.14	686	388	200	36	2.2	1,170	-
30bad-1	11-21-44	365	60	-	-	-	105	45	118		274	221	175	-	1.9	-	801	447	222	36	2.4	1,340	-
30dad-1	5-31-43	420	63	-	-	-	114	52	110		282	208	205	-	1.0	.14	829	498	268	32	2.1	1,400	-
30dbc-3	4/5-27-60	787	-	16	-	-	141	67	164		229	344	311	-	1.0	.47	1,160	628	440	36	2.8	1,860	7.6
	4-30-62		67	-	-	-	-	-	158		303	319	275	-	-	-	2/1,160	624	376	36	2.8	1,780	7.7
30dbd-1	4-11-43	350	61	-	-	-	111	40	107		296	172	178	.1	2.5	.23	756	442	199	35	2.2	1,230	-
31acb-1	11-18-44	340	60	-	-	-	116	37	121		253	188	212	-	3.9	-	802	442	234	37	2.5	1,390	-
31cdd-1	4-11-43	252	59	-	-	-	176	47	175		318	323	293	1.0	1.5	.22	1,170	632	372	38	3.0	1,840	-
31cdd-2	3-24-59	800	66	15	-	-	79	23	75		305	80	85	-	3.1	-	510	292	42	36	1.9	873	7.5
32acb-1	5-31-43	266	60	-	-	-	108	35	63		212	78	208	-	2.5	.13	599	414	240	25	1.3	1,120	-
32bcb-1	5-31-43	285	63	-	-	-	76	32	72		190	98	154	-	2.5	.11	528	321	166	33	1.7	980	-
32bcd-1	11-18-44	254	60	-	-	-	124	46	130		238	212	258	-	2.7	-	890	498	304	36	2.5	1,490	-

Table 4.--Chemical analyses of water from selected wells in Pavant Valley - Continued

Well number	Date of collection	Depth of well (feet)	Temperature (°F)	Parts per million															Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micromhos/cm at 25°C)	pH
				Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mg)	Na + K		Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids[1]	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$				
									Sodium (Na)	Potassium (K)												
(C-21-5)33aaa-1	5-31-43	200	55	-	-	-	34	22	23		159	13	58	-	0.5	0.07	229	176	45	23	0.8	431	-
33bcc-1	5-31-43	245	60	-	-	-	82	27	60		208	45	162	-	1.0	.13	480	316	145	29	1.5	907	-
33bcc-2	5-31-43	318	61	-	-	-	78	23	70		226	107	102	-	1.5	.05	493	289	104	35	1.8	876	-
33ccd-1	5- 8-57	250	58	13	-	-	96	23	76		242	64	165	-	5.8	-	562	336	138	33	1.8	1,030	7.8
33dcc-1	5-31-43	200	57	-	-	-	58	22	78		174	64	136	-	4.8	.05	448	235	92	42	2.2	794	-
35cda-1	11-22-44	120	-	-	-	-	80	16	21		285	46	20	-	2.0	-	325	266	32	15	.6	596	-
(C-21-6)1ddb-1	5- 7-57	105	55	46	-	-	126	66	86		323	168	226	-	19	-	896	586	321	24	1.5	1,470	7.6
	6-23-58		55	30	-	-	130	55	83		325	151	210	-	16	-	835	552	286	25	1.5	1,390	7.4
	6-20-62		55	28	-	-	143	56	89		353	184	208	-	10	-	892	588	298	25	1.6	1,520	7.4
25acd-1	11-22-44	20	-	-	-	-	207	285	951		255	1,090	1,710	-	1.0	-	4,370	1,690	1,480	55	10	7,020	-
(C-22-5)4baa-1	11-17-44	10	-	-	-	-	77	22	67		233	46	130	-	7.0	-	464	282	92	34	1.7	861	-
4bbd-1	6-18-57	250	59	15	-	-	134	31	116		266	189	210	-	2.3	-	828	460	242	35	2.3	-	7.1
	8-28-58		59	13	-	-	128	27	126		262	188	208	-	4.0	-	823	432	217	39	2.6	1,360	7.2
4daa-1	11-18-44	218	-	-	-	-	96	30	117		281	138	172	-	1.0	-	692	363	132	41	2.7	1,210	-
5aca-1	5-31-43	248	58	-	-	-	94	31	121		254	164	174	-	1.5	.27	711	362	154	42	2.8	1,230	-
5bba-1	5-31-43	280	60	-	-	-	127	44	164		246	274	260	-	1.0	.27	991	498	296	42	3.2	1,650	-
6acd-1	5-31-43	319	58	-	-	-	148	52	101		280	238	230	-	.5	.09	907	584	354	27	1.8	1,550	-
7bdd-1	11-20-44	390	-	-	-	-	56	20	75		268	49	81	-	.8	-	414	222	2	42	2.2	778	-
7cad-1	4-11-43	176	-	-	-	-	66	25	44		236	41	88	0.9	1.8	.04	383	268	74	27	1.2	675	-
8aad-1	5-31-43	325	60	-	-	-	126	36	76		256	118	208	-	1.5	.05	692	462	252	26	1.5	1,240	-
8cda-1	4-11-43	270	59	-	-	-	96	32	99		304	74	182	1.1	1.2	.25	635	371	122	37	2.2	1,100	-
8cdd-1	5-31-43	460	60	-	-	-	62	23	106		280	63	131	-	1.0	.07	524	249	20	48	2.9	939	-
9cad-1	11-20-44	196	-	-	-	-	83	26	83		262	60	154	-	.5	-	536	314	100	36	2.0	992	-
9cad-2	9- 5-57	527	70	82	0.16	-	560	153	1,730		501	1,490	2,710	-	1.7	-	6,970	2,030	1,020	65	17	10,900	7.8
	6- 5-58		70	16	-	-	233	71	284		191	675	445	-	4.5	-	1,820	872	715	41	4.2	2,710	7.4
	10- 2-58		69	15	-	-	263	73	261		311	652	415	-	5.1	-	1,840	955	700	37	3.7	2,720	7.2
17bdd-1	4- 8-43	375	58	-	-	-	69	23	82		268	51	118	1.1	2.6	.22	479	266	47	40	2.2	844	-
	10-11-57		58	20	-	-	68	19	86		266	48	117	-	3.6	-	493	250	32	43	2.4	892	7.1
	8-28-58		58	16	-	-	61	26	86		257	58	120	-	4.9	-	498	258	47	42	2.3	877	7.6
	5-24-60		58	20	-	-	64	20	78		266	48	97	-	4.5	-	462	240	22	41	2.2	803	7.8
	9-28-60		58	16	.00	-	61	17	69	9.6	259	44	86	1.0	5.4	.30	436	224	12	39	2.0	748	7.6
	5-31-61		58	-	-	-	-	-	-	-	238	-	67	-	-	-	-	-	-	-	-	650	7.4
	9-28-61		58	-	-	-	-	-	-	-	267	-	80	-	-	-	-	-	-	-	-	740	7.5
	3-20-62		58	17	.05	-	64	20	71	9.7	266	48	98	.8	4.4	.28	464	244	26	38	2.0	821	7.9
17dbd-2	6-24-58	560	60	16	-	-	65	18	88		254	50	118	-	3.8	-	484	238	30	45	2.5	864	7.6
	8-28-58		58	14	-	-	67	18	90		253	56	118	-	3.6	-	491	240	33	45	2.5	856	7.6
20ccd-1	4-11-43	282	56	-	-	-	58	19	40		252	28	48	.2	6.8	.04	324	222	16	28	1.2	548	-
21acd-2	8-27-58	340	57	13	-	-	85	21	84		312	52	116	-	8.4	-	532	298	42	38	2.1	936	7.5
33abc-1	8-27-58	250	55	14	-	-	75	11	34		199	34	72	-	7.7	-	346	232	69	24	1.0	595	7.7
(C-22-6)3add-2	7-10-57	339	-	48	-	-	114	41	134		276	148	258	-	2.3	-	881	454	228	39	2.7	1,460	7.3
32ccc-1	10- 8-58	115	58	37	-	-	281	126	478		344	538	1,000	-	9.0	-	2,640	1,220	938	46	6.0	4,760	7.3
32dcc-1	6-25-57	115	-	39	-	-	285	94	615		398	600	1,050	-	6.9	-	2,890	1,100	774	55	8.1	4,640	-
	9-21-57		-	40	-	-	265	90	595		399	538	1,010	-	15	-	2,750	1,030	703	56	8.1	4,560	7.2
	6-17-58		-	35	-	-	228	79	498		348	476	845	-	6.3	-	2,340	895	610	55	7.2	3,790	7.4
	10- 8-58		60	38	-	-	281	105	589		398	630	1,010	-	6.3	-	2,860	1,130	804	53	7.6	4,620	7.2
(C-23-5)5acd-1	5-25-61	353	55	18	.02	0.00	107	21	34	1.7	316	64	70	.2	9.5	.07	480	354	95	17	.8	810	7.8
5adc-1	8-27-58	180	55	19	-	-	78	19	32		293	40	40	-	7.8	-	380	274	34	20	.9	635	7.6
(C-23-6)1cad-1	11-20-44	146	-	-	-	-	81	39	28		239	47	123	-	7.1	-	443	362	166	14	.6	863	-
8abd-1	6-24-57	200	59	45	-	-	247	70	446		368	419	802	-	6.7	-	2,220	904	602	52	6.4	3,660	6.9
	9- 5-57		-	49	-	-	244	80	482		372	430	872	-	7.9	-	2,350	940	635	53	6.8	3,900	7.1
	6- 5-58		58	39	-	-	248	83	519		366	519	880	-	8.0	-	2,480	960	660	54	7.3	3,920	7.3
	5-24-60		58	47	-	-	317	88	516		352	517	1,020	-	7.8	-	2,690	1,150	861	49	6.6	4,230	7.4
	5-25-61		58	12	.02	.00	357	101	526	61	365	558	1,130	1.0	3.7	1.9	2,920	1,300	1,010	45	6.3	4,720	7.4
	4-30-62		57	-	-	-	-	-	532		353	617	1,180	-	-	-	2/3,580	1,440	1,150	45	6.1	4,990	7.6
8bdb-1	11-22-44	100	-	-	-	-	354	287	761		317	1,610	1,260	-	6.0	-	4,430	2,060	1,800	45	7.3	6,400	-
9bca-1	8-27-58	170	62	54	-	-	405	114	1,050		486	924	1,700	-	5.4	-	4,490	1,480	1,080	61	12	6,750	6.9
9ccd-1	5- 8-57	136	60	40	-	-	257	62	434		372	406	785	-	6.7	-	2,170	896	591	51	6.3	3,620	7.8
10ccc-1	10-15-53	96	-	51	.09	-	226	67	380	51	386	393	695	1.4	9.7	1.5	2,070	840	523	48	5.7	3,270	7.2
	5- 4-55		-	-	-	-	-	-	-	-	368	439	780	-	-	-	-	856	554	-	-	3,530	-
	5- 8-57		60	37	-	-	255	78	491		378	448	878	-	9.9	-	2,380	955	645	53	6.9	3,950	7.7
	6- 5-58		60	38	-	-	265	69	523		379	495	885	-	10	-	2,470	945	634	55	7.4	3,940	7.3
15bbd-2	3- 51	141	-	50	6.1	-	695	185	1,960		396	1,570	3,390	2.2	-	7.5	8,050	2,490	2,170	63	17	11,900	7.0
	5- 7-57		-	38	-	-	234	74	478		364	448	820	-	11	-	2,280	890	592	54	7.0	3,730	7.4
	9- 6-57		-	43	-	-	248	68	483		367	434	845	-	8.0	-	2,310	900	599	54	7.0	3,830	7.2
	6- 5-58		59	38	-	-	230	63	469		365	442	770	-	11	-	2,200	835	536	55	7.0	3,540	7.3
	5-17-60		59	40	-	-	257	63	514		380	495	840	-	7.7	-	2,400	900	588	55	7.4	3,780	7.3
	5-25-61		60	62	.00	0.00	268	59	563	24	262	577	995	1.1	3.4	2.5	2,680	910	695	57	8.1	4,380	7.5
16bad-1	5- 8-57	130	60	47	-	-	218	85	427		357	402	785	-	7.1	-	2,150	895	602	51	6.2	3,570	7.6
	9- 5-57		59	49	-	-	385	114	222		190	706	722	-	5.6	-	2,300	1,430	1,270	25	2.6	3,700	7.9
	5-10-58		-	39	-	-	265	84	470		356	458	885	-	13	-	2,390	1,000	713	50	6.4	3,860	7.4
	5-17-60		58	45	-	-	313	92	515		366	541	1,000	-	7.6	-	2,690	1,160	860	49	6.6	4,310	7.2
16cda-1	5- 8-57	205	59	37	-	-	198	92	423		361	414	750	-	12	-	2,100	875	579	51	6.2	3,470	7.6
	5-10-58		58	40	-	-	253	71	474		370	466	820	-	8.9	-	2,310	920	617	53	6.8	3,740	7.4
17cdc-1	6-18-57	440	60	39	-	-	146	58	473		295	278	775	-	9.5	-	1,920	604	362	63	8.4	3,270	7.1
	6- 4-58		61	37	-	-	146	74	525		287	314	880	-	11	-	2,130	670	435	63	8.8	3,560	7.5

Table 4.--Chemical analyses of water from selected wells in Pavant Valley - Continued

Well number	Date of collection	Depth of well (feet)	Temperature (°F)	Parts per million															Percent sodium	Sodium adsorption ratio (SAR)	Specific conductance (micromhos/cm at 25°C)	pH
				Silica (SiO_2)	Iron (Fe)	Manganese (Mn)	Calcium (Ca)	Magnesium (Mn)	Na + K		Bicarbonate (HCO_3)	Sulfate (SO_4)	Chloride (Cl)	Fluoride (F)	Nitrate (NO_3)	Boron (B)	Dissolved solids 1/	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$				
									Sodium (Na)	Potassium (K)												
(C-23-6)20caa-1	5-11-58	307	57	38	-	-	92	66	202		226	233	360	-	7.8	-	1,110	502	317	47	3.9	1,840	7.9
	10- 8-58		57	33	-	-	88	69	200		239	234	352	-	4.8	-	1,100	505	309	46	3.9	1,860	7.7
20cbb-1	8-27-58	430	61	37	-	-	257	136	1,140		362	533	2,000	-	7.8	-	4,290	1,200	903	67	14	6,970	7.2
21add-1	6-18-57	445	56	29	-	-	57	26	90		225	105	100	-	11	-	529	249	64	44	2.5	868	7.3
	5-10-58		57	31	-	-	55	36	74		221	108	104	-	11	-	528	288	107	36	1.9	880	7.8
21bdd-1	6-18-57	415	56	38	-	-	154	71	340		330	330	562	-	8.0	-	1,670	674	403	52	5.7	-	7.1
	9- 5-57		57	40	-	-	136	78	336		328	312	560	-	7.2	-	1,630	660	391	53	5.7	2,760	7.4
	5-10-58		-	41	-	-	142	28	437		325	342	560	-	8.9	-	1,720	470	204	67	8.8	2,740	7.7
	5-24-60		56	44	-	-	162	71	343		322	353	570	-	9.3	-	1,710	696	432	52	5.7	2,750	7.6
	5-15-62		56	-	-	-	-	-	349		325	381	610	-	6.4	-	1,950	765	498	50	5.5	3,010	7.8
21cdd-1	5-13-58	630	-	22	-	-	26	17	138		218	101	104	-	10	-	525	137	0	69	5.1	876	7.4
28bbb-1	5- 8-57	194	56	35	-	-	61	64	170		212	246	234	-	33	-	947	416	242	47	3.6	1,520	7.9
	5-10-58		-	31	-	-	57	44	147		198	166	210	-	13	-	765	322	160	50	3.6	1,300	8.0

1/ Dissolved solids are calculated from determined constituents except as noted.
2/ Residue on evaporation.
3/ Includes equivalent of 9.8 ppm carbonate (CO_3).
4/ Water sample collected before casing was perforated.
5/ Well deepened to 632 feet, June 1958, and water sample collected before casing was perforated.
6/ Sample collected after casing was perforated.

#4604641
ID:88078641

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no.5

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Ground Water Branch
231 East 4th South, Room 125
Salt Lake City 11, Utah

July 23, 1963

To: Recipients of Utah Basic-Data Report No. 5, "Selected hydrologic data, Pavant Valley, Millard County, Utah," by R. W. Mower

Enclosed is a replacement Plate 1 for Basic-Data Report No. 5, which recently was mailed to you. Please discard the Plate 1 which is now with the report.

Ted Arnow

Ted Arnow
District Geologist

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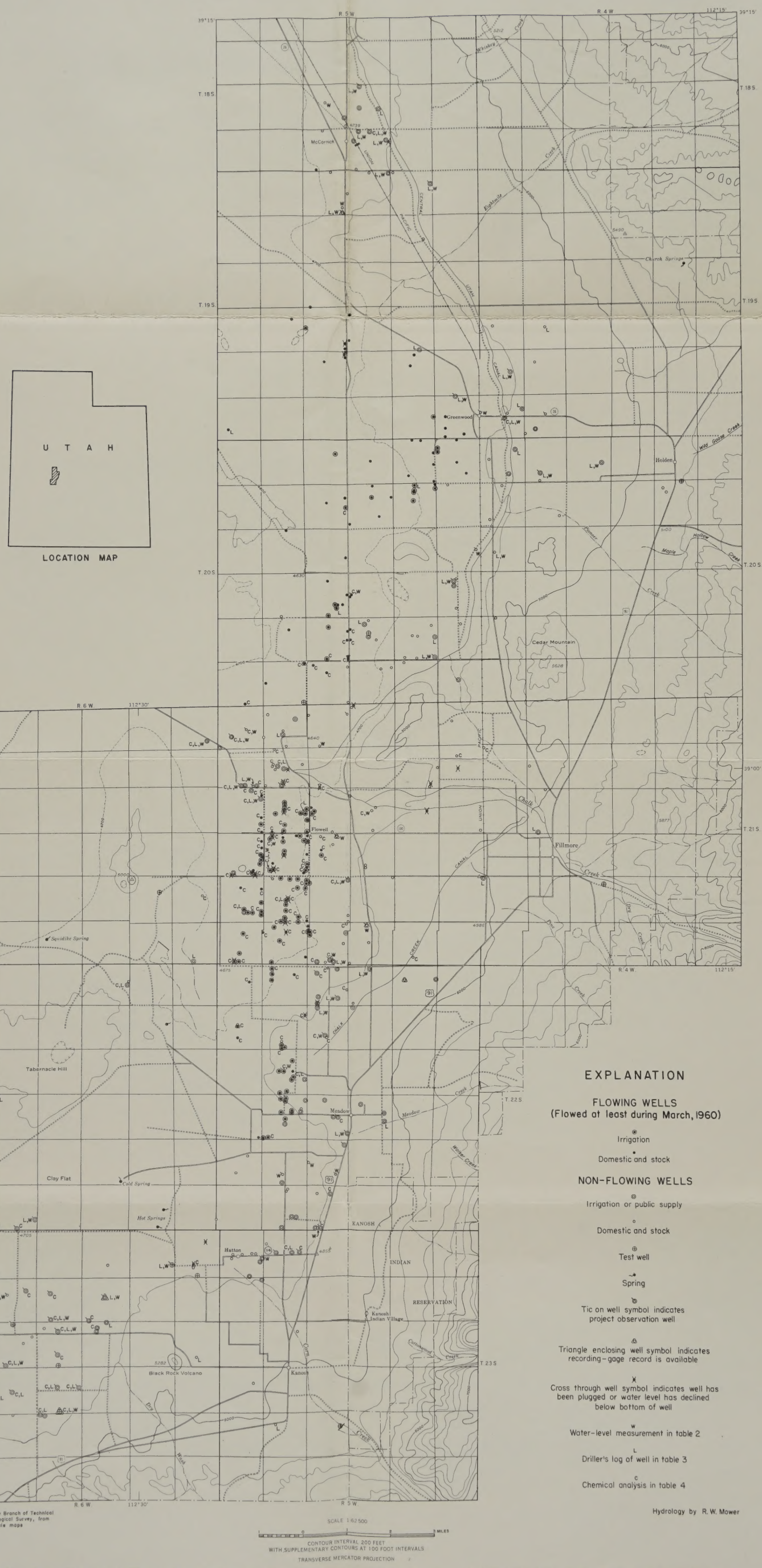
enclosed:
1 letter
1 map

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
AND
UTAH STATE ENGINEER

BASIC-DATA REPORT NUMBER 5
1963
PLATE I



LOCATION MAP

EXPLANATION

FLOWING WELLS
(Flowed at least during March, 1960)

- Irrigation
- Domestic and stock

NON-FLOWING WELLS

- Irrigation or public supply
- Domestic and stock
- Test well
- Spring
- Tic on well symbol indicates project observation well
- Triangle enclosing well symbol indicates recording-gage record is available
- Cross through well symbol indicates well has been plugged or water level has declined below bottom of well
- W — Water-level measurement in table 2
- L — Driller's log of well in table 3
- C — Chemical analysis in table 4

Hydrology by R. W. Mower

MAP OF PAVANT VALLEY, UTAH, SHOWING LOCATIONS OF SELECTED WELLS AND WELLS FOR WHICH CHEMICAL ANALYSIS, DRILLER'S LOG, AND WATER-LEVEL MEASUREMENTS ARE AVAILABLE